TAPR APRS Special Interest Group Archive, February 2001 through September 2001

February 2001 through September 2001

TAPR's discussion forum for the Automatic Packet Reporting System (APRS), including software, hardware, GPS, mapping, networking, operations, and related technical topics.

This volume contains 2 original monthly files and 1,895 messages, arranged chronologically. The PDF is a readable access copy: MIME transfer encodings are decoded, HTML bodies are converted to plain text, and non-text attachments are represented by descriptive notes. The raw source text is supplied separately with the Internet Archive item.

Month	Messages	Original source file
2001-02	1,058	aprssig.0102
2001-09	837	aprssig.0109

February 2001

Original source file: aprssig.0102
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0102

1. [aprssig] Another Excellent Band Opening; 30M

From: WA4TKGMatt@aol.com
Date: Thu, 1 Feb 2001 00:57:32 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132253-2001.02.01-00.14.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see the entire country lighting up from HF GATES this evening/morning.

That's a switch. Band has been poor lately aside from yesterday.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

2. [aprssig] RE: [htaprs] RE: AA Batteries in the UK

From: "Ciemon G0TRT" <g0trtlists@btinternet.com>
Date: Thu, 1 Feb 2001 07:15:08 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132258-2001.02.01-01.29.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Jim,

You've no doubt heard of the British stiff upper lip? Well now you've
experienced British sarcasm!

Don't take Mark and Rogers comments personally, they're just having some
fun.

73.....Ciemon Dunville GØTRT Sysop MB7UPG IGate
ICQ - 6263612
homepage - www.aprsuk.net
Where is Ciemon's home station?
http://www.findu.com/cgi-bin/find.cgi?mb7upg

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3. [aprssig] digi question

From: Fly476@aol.com
Date: Thu, 1 Feb 2001 10:55:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132279-2001.02.01-10.09.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

im new at the aprs/packet stuff and i was wondering what is needed to setup a
digipeater?   can it be done with just the th-d7ag?

thanks
nick

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4. [aprssig] APRS 6m activity?

From: Joel Maslak <jmaslak@antelope.net>
Date: Thu, 1 Feb 2001 09:20:23 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132285-2001.02.01-10.29.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone doing any APRS on 6m?

--

Joel Maslak
N7XUC

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5. [aprssig] Re: [aprsnews] first.aprs.net connect limit

From: "Jim Gill" <jimgill@ix.netcom.com>
Date: Thu, 1 Feb 2001 10:34:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132286-2001.02.01-10.48.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a question/suggestion regarding the connection limit that may not be popular, but I'd like to bring it up anyway. Looking at the www.aprs.net connection status web page, I see a number of connections that are not "verified". This looks to be coming from either non-registered end-user client software, or a handful of aprsd connections that are not verified for some reason or another. These non-verified connections have (in some cases) high "Bytes Out" totals, but very low or 0 "Bytes In" counts.

Could there be a threshhold set, beyond which non-verified connects would not be allowed, but "verified" connects would still be allowed, up to the current 175 limit?

In other words, something like (the threshhold numbers below are only suggested for example purposes):

0-125 users: non-verified and verified users can connect
126-174 users: only verified users can connect, non-verified connections refused (to allow slots for verified)
175 users: all connections refused

Am I correct that a non-verified connection cannot share information 2-way that is bound for RF, it can only send data originated by the client only? If so, wouldn't the available connect slots be preferred for two-way able clients? Maybe I misunderstand the nature of non-verified connections. If an aprsd connection is made as an igate that is not verified and therefore cannot inject gated data into the stream (ie. can't be two-way), what is the point of the connection? Educate me.

Thanks,
Jim N0RMO

----- Original Message -----
From: "Steve Dimse K4HG" <k4hg@tapr.org>
To: "APRS Announcements" <aprsnews@lists.tapr.org>
Sent: Tuesday, January 30, 2001 5:35 PM
Subject: [aprsnews] first.aprs.net connect limit

> The increasing bandwidth of the APRS internet stream is close to maxing
> out the T1 at the Miami Museum of Science. This evening with 174
> connections the reported bandwidth was over 120,000 bytes a second. Add
> the web server and name server traffic, and my machine was very close to
> the limit.
>
> In order not to wear out my welcome at the museum I have set the
> connection limit to 135, which should leave plenty of bandwith for those
> people that pay the bills. The server has not been under 150 connections
> for months, so this means there will often be no available slots on the
> server.

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6. [aprssig] RE: APRS 6m activity?

From: "James R. Saker Jr." <jsaker@pensat.com>
Date: Thu, 1 Feb 2001 11:02:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-132293-2001.02.01-11.14.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Seems like an interesting thought - 6m is woefully underused in our parts.
I've never tried packet on 6m either. Checked the band plan and something
like 50.7 might be an interesting candidate - any thoughts?

I'm in the process of bringing up a repeater on 6m and might be interested
in exploring the idea if others are as well.

Jamie Saker/K1JRS

-----Original Message-----
From: bounce-aprssig-21361@lists.tapr.org
[mailto:bounce-aprssig-21361@lists.tapr.org]On Behalf Of Joel Maslak
Sent: Thursday, February 01, 2001 10:20 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS 6m activity?

Is anyone doing any APRS on 6m?

--
Joel Maslak
N7XUC

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7. [aprssig] RE: APRS 6m activity?

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 1 Feb 2001 11:20:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132297-2001.02.01-11.34.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is already APRS on 6m... It's called PropNET, and it mostly operates
on 53.53 MHz FM. There's even a TAPR mail list dedicated to it:

http://www.tapr.org/cgi-bin/lyris.pl?site=tapr&enter=propnet

Jeff Brenton
President,
Engineered Software Products, Inc
http://espi.com
Questionable web page: http://dididahdahdidit.com

Liberalism grants you the freedom to advocate any idea*.
 * Please see http://www.dididahdahdidit.com/except.php for a
   current list of exceptions

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8. [aprssig] Fw: [aprsnews] first.aprs.net connect limit

From: "Jim Gill" <jimgill@ix.netcom.com>
Date: Thu, 1 Feb 2001 11:27:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132298-2001.02.01-11.41.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve's response to my request for education re: unverified connects to
aprsserve.

Thanks,
Jim N0RMO

----- Original Message -----
From: "Steve Dimse K4HG" <k4hg@tapr.org>
To: "Jim Gill" <jimgill@ix.netcom.com>
Sent: Thursday, February 01, 2001 11:19 AM
Subject: Re: [aprsnews] first.aprs.net connect limit

Please forward the reply to the sig for me...

On 2/1/01 11:34 AM Jim Gill (jimgill@ix.netcom.com) wrote:

>Am I correct that a non-verified connection cannot share information 2-way
>that is bound for RF, it can only send data originated by the client only?
>If so, wouldn't the available connect slots be preferred for two-way able
>clients? Maybe I misunderstand the nature of non-verified connections. If
>an aprsd connection is made as an igate that is not verified and therefore
>cannot inject gated data into the stream (ie. can't be two-way), what is
the
>point of the connection? Educate me.
>
Historically, the "full-time igates" used two one way connections to
exchange data...i.e. data was pulled from both sides, rather than pushed
 and pulled over a single connect. When one is pulling data, it doesn't
 matter if the connection is verified. So, all those stations on the
 connect list (the middle table on the port 14501 status page) should also
 have a connect in the bottom table, and this one can be unverified, in
 fact this is preferred, because it prevents dups (the dup checking ought
 to remove them anyway, but why push it?).

 This was done to allow maximum flexibility to the connections, to allow
 the receiving station to choose how much and which data was received.

 Frankly, with the system as it exists now, there is no reason to have any
 stations in the connect list other than the central servers. I have not
 added any new stations for quite some time. When someone takes up
 management of the system, that is one of the first changes I'd recommend.

 The problem with limiting unverified connects is you exclude the javAPRS
 connections from the stream, which isn't right. These applets must,
 because of the Java security manager, connect to www.aprs.net, they
 cannot use any other server. Verified users are able to go elsewhere to
 connect. If anything, unverified connections ought to have higher
 priority, not lower!

 While I'm on the subject, a couple comments. First, there is now an
 official third.aprs.net. All users should modify their config files to
 automatically rotate connects between first.aprs.net, second.aprs.net,
 and third.aprs.net. The port numbers are a bit different, with the
 unbuffered port being 23 on first and second, and 10152 on third (all use
 10151 for buffered). I know this is confusing, but the reason is some
 people wish to operate behind firewalls that block non-standard ports
 like 10151, but pass 23 (telnet). It would be nice if the authors or
 others produce a config file for distribution with the three servers
 listed.

 All IGate operators need to check their connection list. Unless you are a
 central server, there is usually no reason to connect to servers other
 than the three central servers. (The exception is if you wish to do a
 localized server, picking up the data from port 14579 for a number of
 nearby servers.) In no case should any IGate other than the central
 servers use port 1313 to connect. If you want a low volume port, use 1314
 (only on second and third) which is messages and their associated
 position reports.

 Steve K4HG

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9. [aprssig] GPS Antennas

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 01 Feb 2001 12:57:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132311-2001.02.01-12.13.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone notice that Digikey now has a GPS antenna, ANT-GPS-SE-SMA for $37.54?

There's also a cell/GPS unit, ANT-DBD-DA-SMA/W for $94.15

And where are the sprouls?

--
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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10. [aprssig] IC-706 13 Wire " Pig Tail " Connector; Got One ?

From: WA4TKGMatt@aol.com
Date: Thu, 1 Feb 2001 14:22:11 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132329-2001.02.01-13.38.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do you have an Icom IC-706 ?

If you have one of the " Pig Tail " connectors (with the multicolored wires;
13 PIN connector) in your original packaging thrown in the closet / don't
need,
I would like to get it from you.

(ONLY included on newer models ?; I.E. : 706MKII or MKIIG ?)

Would be HAPPY to send a couple/few dollars for postage/handling.

Write:
WA4TKGMatt " Instant Message " AOL type
WA4TKG@netzero.net

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11. [aprssig] Kenwood TH-D7Ag

From: "Leo Goriss" <goriss@us.ibm.com>
Date: Thu, 1 Feb 2001 15:05:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132347-2001.02.01-14.19.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Relatively new ham considering APRS. I have an ICOM 746 as a base and
ICOM706MKII-G in my truck. Already own Garmin model 45 and I am
considering the purchase of a TH-D7Ag to run mobile. I am looking for any
experience/potential problems/hints, etc, etc.

Thnx in advance for your expertise and 73's.................Leo KG4KAK

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12. [aprssig] aprshelp.com

From: "Scott-KC5JGV" <kc5jgv@ozarkisp.net>
Date: Thu, 1 Feb 2001 14:09:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132348-2001.02.01-14.26.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've made some changes to the APRSHELP.com site in the software page. Still
have a lot to do and add. Looking for anyone that can write up step-by-step
methods for new users starting to run APRS for the first time. I need them
for windows, SA and Mac, Palm and Win/CE versions. have looked through the
sig archives and it is a mess!

Still working on the click able map for elmers. If you can elmer in your
state, please let me know with your call, qth, and email address.

Also, support files are back up for the Citadels. Click the link below.

Thanks.

73,
Scott
www.qsl.net/kc5jgv

Need Help with APRS?
http://www.aprshelp.com
Need a 12v computer for APRS?
http://www.qsl.net/kc5jgv/aprs_computers.htm

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13. [aprssig] Re: GPS Antennas

From: Steve Bragg <steve@hamhud.net>
Date: Thu, 01 Feb 2001 14:34:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132349-2001.02.01-14.47.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:

> And where are the sprouls?

This reminds me of reading about the time famous astronomer Percival
Lowell was asked to write a 500-word piece on the possibility of life on
Mars. He wrote:

"Nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows,
 nobody knows, nobody knows, nobody knows, nobody knows, nobody knows...

You get the picture.

73,

Steve KA9MVA
```
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/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
```
Steve Bragg KA9MVA   ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9

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14. [aprssig] Re: Kenwood TH-D7Ag

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 01 Feb 2001 14:45:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132353-2001.02.01-14.59.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Relatively new ham considering APRS. I have an ICOM 746 as a base and
>ICOM706MKII-G in my truck. Already own Garmin model 45 and I am
>considering the purchase of a TH-D7Ag to run mobile. I am looking for any
>experience/potential problems/hints, etc, etc.

I use my THD7A(G) as my only radio. I take it mobile, portable, biking and
connect it to a 1/4 wave GP at home. I use a 12" SMA to BNC adapter cable
with a 90 degree SMA connector on the radio end to allow me to easily and
quickly switch it between one of the three antennas. I use the MFJ-286
speaker mike on it. This mike has some audio drop, so I am looking for
recommendations on another mike.

One of the local HAMs, N5NYP, has a simple little dash mount for his that is
basically a flat, verticle plate with felt on it. He slides his onto this to
anchor it where he can also see the display at a glance. I have mine beside
me in arms reach.

The SMA to BNC adapters that I have found all leave something to be desired.
I usually have to do some soldering or disassembly and reassembly with extra
heat shrink for strain relief and such.

I use the COMET SMA24 for portable operations and it makes a big difference!

-----
gregg@c2-tech.com (C2 Technologies Inc)

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15. [aprssig] Re: digi question

From: Karl Ulrich <k4lnx@arrl.net>
Date: Thu, 01 Feb 2001 15:58:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132359-2001.02.01-15.15.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nick,

The Th-D7AG cannot be a Digipeater.

Besides, are you sure you really want to be one?

Here's some really good reading on the subject:

http://aprs.moffatt.nu/path.shtml

Have a good one.

Karl Ulrich
K4LNX

Fly476@aol.com wrote:

> im new at the aprs/packet stuff and i was wondering what is needed to setup a
> digipeater?   can it be done with just the th-d7ag?
>
> thanks
> nick
>
> ---
> You are currently subscribed to aprssig as: k4lnx@arrl.net
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16. [aprssig] ADMIN: Monthly Announcement

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Thu, 1 Feb 2001 15:41:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132368-2001.02.01-15.55.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(This message is posted on the APRSSIG on a monthly basis.)

PURPOSE

The purpose of the APRSSIG is to provide a forum for folks interested in discussing APRS, in general. (Other TAPR SIGs are available for discussing specific APRS topics, for example, APRSSAT for APRS satellite applications.)

POSTING MESSAGES

To post messages to the APRSSIG, send email to aprssig@tapr.org

APRSSIG RULES

The APRSSIG has a few simple rules:

. Be courteous. Abusive, insulting, or rude behavior demonstrated towards another list member is a violation of this rule.

. Stick to the subject, i.e., APRS. Subjects that are only tangentially related to APRS (like "what kind of car should I buy for my APRS tracker?") may be considered off-topic. If you start a message with "this is off-topic..." then you are violating this rule.

. Be succinct when composing a message. (The APRSSIG software has been optioned to limit the length of each message.)

. When quoting a previous message, only quote the parts of that message you are referencing. (The APRSSIG software has been optioned to limit the length of a quote.)

. Do not send messages in HTML of Rich Text format.

. Do not send attachments.

. Cross-posting is not permitted. (The APRSSIG software has been optioned to prevent cross-posting.)

. The APRSSIG administrator reserves the right to suspend or ban any list member who violates these rules.

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To unsubscribe from the APRSSIG, follow the directions you will find at the bottom of each message you receive from the APRSSIG.

QUESTIONS, COMMENTS, ETC.

If you have any questions, comments, etc. concerning the APRSSIG, please email the APRSSIG administrator at the address below.

Stan Horzepa, WA1LOU, wa1lou@tapr.org

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17. [aprssig] BEACONet on 10-meters

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Thu, 01 Feb 2001 16:52:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132373-2001.02.01-16.07.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's been a while since giving an update on our activity on 10-meters,
so I thought I'd share some new information for folks.

BEACONet is alive and well on 10 meters, now. We've parked on 28.128
MHz USB at 1200 baud. The idea is to chart world-wide propagation on 10
meters...and it works! See the following eMail I ran across today from
Europe:

Greetings Richard,
I put my station back on 28.128 at 14:00,UTC, today.
I will stay there until 18:00 today.
So far, on the map, I have yourself, N2JR and W2EV ....(15:40 UTC)
73
Colin
G0PHO

BEACONet-ers use UI-View software (the same title that most Region 1
APRS stations use, by the way), configure it slightly differently (see
the footer of this eMail) and chart the ebb and flow of the ether. This
is very cool, indeed.

BEACONet is not APRS(tm), but it uses the same UI-Frame packet
technology. The difference is that it is not a "tactical communications
and radiolocation" system. It is a system designed to probe the
invisible world around us for anomolous propagation (which is why it is
configured a little differently).

For more detailed information, you can visit http://go.to/BEACONet or
drop me a direct note (or join the PropNET/BEACONet listserve on TAPR).
I make these 'announcements' on this listserve only occasionally, as
this is really a listserve for the APRS(tm) service...but we're cousins,
after all. :o)

Ev, W2EV

Get UI-View from http://go.to/BEACONet, launch UI-View and . . .
. . . remove lat/lon information
. . . Unproto Address = HY-##
        where, H=HF, Y=28 MHz and ##= antenna directivity using
        the clock-face as your guide. 3=East, 9=West, 15=omni
. . . Beacon Comment = [GR##ID] email@host.com
        where [GR##ID] is your 6-character Maidenhead Grid locator
        (be sure to put it between brackets as shown), followed by
        an eMail address to make QSLing easy
. . . Beacon Interval Fixed = 5
. . . Tune to 28.128 MHz USB and you are 1200 baud BEACONet active!
For more information, visit http://go.to/BEACONet

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

18. [aprssig] Re: Txdelay

From: Randy Allen KAØAZS <ka0azs@commkey.net>
Date: Thu, 01 Feb 2001 17:48:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132378-2001.02.01-16.59.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pete,

  I'm looking at the Kenwood D700 software, the only place if find a ms
setting is in "Pause" parameter of the DTMF settings. Is this where you
were setting the Tx Delay?

  Maybe my ignorance is showing (Again!), but it hadn't occurred to me
to look under DTMF for transmitter functions. Want to make sure I'm
looking at it right.

73

AE5PL wrote:
>
> <SNIP> I tested setting the D700 in
> TNC mode to 200 ms via the RS-232 port and it seems to have an effect when I
> switched back to APRS mode. <SNIP>
>

--

Randy Allen, KAØAZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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19. [aprssig] Re: Txdelay

From: Robbie Robertson <mwrobertson@mediaone.net>
Date: Thu, 01 Feb 2001 17:05:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132382-2001.02.01-17.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Randy Allen KAØAZS wrote:
>
> Pete,
>
> I'm looking at the Kenwood D700 software, the only place if find a ms
> setting is in "Pause" parameter of the DTMF settings. Is this where you
> were setting the Tx Delay?
>

If memory serves me, these are two different issues, the
"pause" being in ref to a pause between sending the Area
code, exchange, and number when sending DTMF tones for
autopatch repeaters..

I can also guess, "guess", that the only txdelay setting
accessible, may be in Packet mode, and just maybe, this
would carry over and control the TNC while it was in APRS
mode???? I will try to experiment and get back to the
group..

73!
--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

20. [aprssig] Re: MemTurbo II

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Thu, 1 Feb 2001 18:12:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132383-2001.02.01-17.26.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Mark Fellhauer
> Sent: Wednesday, January 31, 2001 20:44 PM

  [snip snip]

> The problem with all these programs is that they are nothing
> but smoke and mirrors. They actually do very little other
> than lull the end user into a false sense of security. If
> these programs were so effective, Microsoft would have
> co-opted the technology many years ago. Although ZDNET
> may have made it the free file of the week, Leo Laporte of
> the "Screen Savers," and "Call for Help," both ZD
> productions, has panned the software. This and every other
> program like it has failed the test of true scrutiny and in
> many cases causes more problems than they profess to fix.
> Caveat Emptor.

        While I have great respect for Leo's opinions and have no reason to
doubt yours I must vigorously disagree on the subject of MemTurbo. A
close buddy of mine and I have been using it for almost a year, first in
its 1.x then in its 2.0 iterations on eight different machines between
the two of us. Desktops, laptops, hi memory machines down to my old

ThinkPad that I use for portable PSK and APRS operations. It can only
have 40 MB of memory. It has been a godsend, cutting down on swapfile
churning, and unexpected lockups.

        My only issue with the original post is that MemTurbo is not supposed
to do anything about freeing up resources and I did a few quick tests to
verify and it doesn't seem to. However, I have found that Digipan and
WinAPRS both suffer from overloaded resources upon long sessions running
and that if I do a SCRUB RAM from MemTurbo II just before bring either
program up. That neither of them crash even after four to six hours of
running and can guarantee a crash within two hours if I don't ...

        Just my $0.02 ...

72 de brian, n1bq

--
N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <http://www.wulfden.org/NVQS/>
AMSAT LM-1418   NJQRP #274
QRP-L #2276   Zombie #768

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21. [aprssig] FINDU reports being indexed by search engines!

From: WA8LMF1@aol.com
Date: Thu, 1 Feb 2001 18:16:37 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132384-2001.02.01-17.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It appears that APRS transmissions are even more public than we thought.!

I just did a lookup on several search engines for "WA8LMF" trying to
determine how many have found my homepage, and was surprised to find
position reports from FINDU among the hits.   Some of the hit summaries were
for positions I was in 4 or 5 weeks ago......

Example pasted from Google:

Current Location of WA8LMF
Position of WA8LMF. 38.5 miles northeast of STOCKTON,
CA Report received 5 hours 31 minutes 17 ...
map.findu.com/wa8lmf - 3k - Cached - Similar pages

WA8LMF-2 Messages
WA8LMF-2 messages. from, to, time, message. WA8LMF-2, TESTMSG,
12/24 03:46:46z, Test #2 de WA8LMF Pine Grove CA{c}. ...
www.findu.com/cgi-bin/msg.cgi?WA8LMF-2 - 7k - Cached - Similar pages
[More results from www.findu.com]

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts

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22. [aprssig] Re: FINDU reports being indexed by search engines!

From: "Rikk Sullenberger" <rikk@dragonstar.net>
Date: Thu, 1 Feb 2001 18:44:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132385-2001.02.01-17.44.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The author needs to add a "robots.txt" file and list what pages should and
should not be indexed by the crawler...

Rikk Sullenberger
kg4aao

----- Original Message -----
From: <WA8LMF1@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 01, 2001 6:16 PM
Subject: [aprssig] FINDU reports being indexed by search engines!

> It appears that APRS transmissions are even more public than we thought.!
>
> I just did a lookup on several search engines for "WA8LMF" trying to
> determine how many have found my homepage, and was surprised to find
> position reports from FINDU among the hits.   Some of the hit summaries
were
> for positions I was in 4 or 5 weeks ago......
>
> Example pasted from Google:
>
> Current Location of WA8LMF
> Position of WA8LMF. 38.5 miles northeast of STOCKTON,
> CA Report received 5 hours 31 minutes 17 ...
> map.findu.com/wa8lmf - 3k - Cached - Similar pages
>
> WA8LMF-2 Messages
> WA8LMF-2 messages. from, to, time, message. WA8LMF-2, TESTMSG,
> 12/24 03:46:46z, Test #2 de WA8LMF Pine Grove CA{c}. ...
> www.findu.com/cgi-bin/msg.cgi?WA8LMF-2 - 7k - Cached - Similar pages
> [More results from www.findu.com]
>
>
> Stephen H. Smith   Email: wa8lmf@aol.com
> Homepage: http://members.aol.com/wa8lmf
> --

>
> ----------
> | Radio Communications Systems   Personal Computers
> | Consulting and Systems Integration
> | GPS Custom Mapping   &   Radio Coverage Surveys
> | File Conversions   MS-Windows Setups   VISCII Fonts
> --

>
> -----------
>
>
> ---
> You are currently subscribed to aprssig as: rikk@dragonstar.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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23. [aprssig] NWS Zone map found, now map edit question.

From: "Michael Francoeur" <n1naf@mint.net>
Date: Thu, 1 Feb 2001 18:34:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132387-2001.02.01-17.46.21--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hello, I've found the nws zone map for the Gulf of Maine in the file nhc.zip
(on Dales ftp site.) which contains all the zones for the Atlantic and Gulf
of Mexico.

Now for the other problem. This file doesn't have a descriptive label and I
want to edit the file to change it. I've seen references to MAPFIX.EXE on
the web, which sounds like it will do what I want. However, I only see the
code (basic) for the program. Is there an exe for dos/windows that exists
which can be downloaded? Is there another utility I should use? I've tried
standard ASCII editors, but WinAPRS didn't like the file after my
manipulation.

- Mike/N1NAF

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24. [aprssig] Re: FINDU reports being indexed by search engines!

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 1 Feb 2001 17:38:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132388-2001.02.01-17.52.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> It appears that APRS transmissions are
> even more public than we thought.!

The TAPR archives are indexed by GOOGLE and ALTAVISTA, amongst others. Any
message that has a link to FINDU will cause the search engines to jump
there, too... The three web sites listed in my signature will be "hit" the
next time any engine scans the TAPR archives.

This is how several of the aprsd servers' status pages got indexed.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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25. [aprssig] Re: Txdelay

From: AE5PL <HamLists@ametx.com>
Date: Thu, 1 Feb 2001 18:39:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132390-2001.02.01-18.53.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The parameter must be set using a terminal program (such as HyperTerminal)
and the radio must be in packet mode (not APRS mode). Then you can send
the command "txdelay 20" without the quotes to set the TNC (see the back of
your Specialized Communications manual). It does appear to carry over to
APRS mode.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Robbie Robertson [mailto:mwrobertson@mediaone.net]
Sent: Thursday, February 01, 2001 5:09 PM

To: SIG
Subject: [aprssig] Re: Txdelay

Randy Allen KAØAZS wrote:
>
> Pete,
>
>   I'm looking at the Kenwood D700 software, the only place if find a ms
> setting is in "Pause" parameter of the DTMF settings. Is this where you
> were setting the Tx Delay?
>

If memory serves me, these are two different issues, the
"pause" being in ref to a pause between sending the Area
code, exchange, and number when sending DTMF tones for
autopatch repeaters..

I can also guess, "guess", that the only txdelay setting
accessible, may be in Packet mode, and just maybe, this
would carry over and control the TNC while it was in APRS
mode???? I will try to experiment and get back to the
group..

73!
--

- Robbie Robertson -
...-.- wa9inf ...-.-

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---
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26. [aprssig] Re: FINDU reports being indexed by search engines!

From: Jim Gill <jimgill@yahoo.com>
Date: Thu, 1 Feb 2001 16:40:07 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132391-2001.02.01-18.54.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Rikk Sullenberger <rikk@dragonstar.net> wrote:
> The author needs to add a "robots.txt" file and list what pages should and
> should not be indexed by the crawler...
> Rikk Sullenberger
> kg4aao

Beat me to it, Rikk, but this is how you do it: Create a file called robots.txt with the
following content (only the two lines standing alone below):

User-agent: *
Disallow: /

Upload it to the root directory of your web. This will keep (behaved) spiders out of the
entire site. If you want to keep only certain folders spider-free, you might do:

User-agent: *
Disallow: /cgi-bin

or whatever. Plenty of docs on the net about it. However, don't be too tempted to
create a long list of folders to "keep out of" - enterprising individuals might take that
as an "invitation" to try and hack/crack something in your folder structure you just made
public by putting the path directly to it in robots.txt. It'd be better to not draw
attention to anything, instead just use the / wildcard.

HTH.
Jim N0RMO

_____
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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27. [aprssig] Re: [aprsnews] first.aprs.net connect limit

From: RMckni8527@aol.com
Date: Thu, 1 Feb 2001 23:21:31 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-132411-2001.02.01-22.36.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/1/01 8:40:48 AM Pacific Standard Time,
jimgill@ix.netcom.com writes:

> Am I correct that a non-verified connection cannot share information 2-way
> that is bound for RF, it can only send data originated by the client only?
> If so, wouldn't the available connect slots be preferred for two-way able
> clients? Maybe I misunderstand the nature of non-verified connections. If
> an aprsd connection is made as an igate that is not verified and therefore
> cannot inject gated data into the stream (ie. can't be two-way), what is the
> point of the connection? Educate me.
>
>

Yes, this is incorrect. Legally there is nothing that absolutely prohibits traffic originated from outside Ham Radio to be ported onto Ham RF systems. It is an ethical problem that appears to be primarily discouraged by APRS folks. Other packet systems, particularly NOS gateways, have routinely accepted non-verified traffic for at least the last 10 years. To date, I know of no cases where a sysop was accused or pursued for inappropriate message content. The FCC leaves plenty of loophole for sysops who are willing to accept responsibility for traffic they forward. APRS gateway software authors have taken it one step further by disabling the function for non-registered versions, plus seem to have made it very clear that they won't support this feature if used for gateing of 'Unauthenticated Traffic".

What a shame. We hear the same tired argument all the time about how "legal" it is to order a pizza over the autopatch, yet APRS won't support 2-way internet traffic which is clearly not intended to be prohibited. Maybe we should shift to 145.79?

I'm sure I'll get napalmed for this one!

73's
Ray - WB3ABN
Kingston, WA

28. [aprssig] Lost? Consult the hand-held NAVFLEA unit

From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Fri, 02 Feb 2001 09:10:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132462-2001.02.02-08.24.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I found the following article in this months "SAIL" magazine of some interest and inject some humor into the SIG on this Friday.

> Serial circumnavigator Webb Chiles has discovered a low cost navigation alternative to GPS: fleas.
> "While reading about a new Smithsonian exhibit on the discovery of North America, I came across the following: 'The Vikings harnessed the power of fleas to aid in navigation. Knowing that the pests tend to hop or crawl toward the north, they often used fleas to determine which direction the ships were heading.'

Geee...I wonder if the NAVFLEA system would be compliant with NMEA standards of today... All in fun Guys and Gals..all in fun..

73, Clay AA3JY

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29. [aprssig] Re: [aprsnews] first.aprs.net connect limit

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 2 Feb 2001 09:06:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-132470-2001.02.02-09.20.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No napalm, but

two considerations:

1. The wishes of those who built and maintain the system.

2. More incentive to register the software, than simply typing in new startup info.

I was very active in packet bbs'ing when it was in its heyday, both on HF and VHF with W0RLI. When I found users of the system maintaining they had a right to use my equipment to say anything they wanted, I shut it down. If the other party is providing the equipment and the service, users don't have the right to anything more than the expression of their opinions on how that equipment and service is utilized.

I'm always amazed how other people can presume to tell those who spend the money and do the work, how THEIR investment should be managed. Silly me.

With respect to the second point, above:

None of the authors has been adequately compensated for their efforts. I'm unaware of any of the authors requiring or even requesting any "update" fees, yet (in most cases), updates have been flowing like crazy. I don't have a problem with the "side effect" of not having full internet features if one doesn't register. There has to be some incentive, given they don't cripple the program in any other way, and the primary goal of the existing limitation is security, not registration.

...hasan

> ----- Original Message -----
> From: RMckni8527@aol.com
> To: TAPR APRS Special Interest Group
> Cc: aprssig@tapr.org
> Sent: Thursday, February 01, 2001 10:21 PM
> Subject: [aprssig] Re: [aprsnews] first.aprs.net connect limit
>
> In a message dated 2/1/01 8:40:48 AM Pacific Standard Time,
> jimgill@ix.netcom.com writes:
>
>> Am I correct that a non-verified connection cannot share information 2-way
>> that is bound for RF, it can only send data originated by the client only?
>> If so, wouldn't the available connect slots be preferred for two-way able
>> clients? Maybe I misunderstand the nature of non-verified connections. If
>> an aprsd connection is made as an igate that is not verified and therefore
>> cannot inject gated data into the stream (ie. can't be two-way), what is the
>> point of the connection? Educate me.
>
> Yes, this is incorrect. Legally there is nothing that absolutely prohibits
> traffic originated from outside Ham Radio to be ported onto Ham RF systems.
> It is an ethical problem that appears to be primarily discouraged by APRS
> folks. Other packet systems, particularly NOS gateways, have routinely
> accepted non-verified traffic for at least the last 10 years. To date, I
> know of no cases where a sysop was accused or pursued for inappropriate
> message content. The FCC leaves plenty of loophole for sysops who are
> willing to accept responsibility for traffic they forward. APRS gateway
> software authors have taken it one step further by disabling the function for
> non-registered versions, plus seem to have made it very clear that they won't
> support this feature if used for gateing of 'Unauthenticated Traffic".
>
> What a shame. We hear the same tired argument all the time about how "legal"
> it is to order a pizza over the autopatch, yet APRS won't support 2-way
> internet traffic which is clearly not intended to be prohibited. Maybe we
> should shift to 145.79?
>
> I'm sure I'll get napalmed for this one!
>
> 73's
> Ray - WB3ABN
> Kingston, WA

30. [aprssig] Re: MemTurbo II

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Fri, 02 Feb 2001 09:29:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132473-2001.02.02-09.43.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   My only issue with the original post is that MemTurbo is not supposed
>to do anything about freeing up resources and I did a few quick tests to
>verify and it doesn't seem to. However, I have found that Digipan and
>WinAPRS both suffer from overloaded resources upon long sessions running
>and that if I do a SCRUB RAM from MemTurbo II just before bring either
>program up. That neither of them crash even after four to six hours of
>running and can guarantee a crash within two hours if I don't ...

Windows 95 and 98 and ME all contain program startup acceleration techniques
that keep programs in memory so that they will startup again faster the next
time you use them. Windows 95 keeps two copies of programs in memory, one
that is running, and the original cached copy. Windows 98 has only one copy,
but seems to perfer to not unload them reliably. Windows ME seems to be
better at not going hog wild on caching programs in memory when more RAM is
needed by another app. I know nothing about MemTurbo, but suspect it knows
how to remove these cached applications so that more memory is available for
the applications you are actually running.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

31. [aprssig] Re: digi question

From: Mark Turner <markt@kram.org>
Date: Fri, 2 Feb 2001 17:09:48 +0000 (GMT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132509-2001.02.02-11.23.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 1 Feb 2001, Karl Ulrich wrote:
>
> The Th-D7AG cannot be a Digipeater.

I use my TH-D7E (not AG, don't know if that is relevant) in KISS mode
with UIView32 as a 24/7 digipeater at home. It does need a PC though so
the D7 can't be used as a standalone digi.

Cheers,

Mark.

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32. [aprssig] KPC-3 Tracker settings

From: "The Germino's" <mgermino@inreach.com>
Date: Fri, 2 Feb 2001 10:56:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132549-2001.02.02-13.14.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After the recent discussion on the TX Delay I checked my settings and tried
lowering mine. This got me thinking about the other settings, such as the
"CD", mine is set on SOFTWARE. So are there any thoughts on optimizing the
TNC with DWait,SWp or the such?

Mike
AD6AA
AD6AA-12

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33. [aprssig] Re: Txdelay

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 02 Feb 2001 13:04:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132550-2001.02.02-13.20.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:07 PM 1/31/01, Jeff King wrote:

> > Well, you have to set the default limit somewhere.
>
>Yeah, maybe at a optimal value that gives the best performance?? The
>HORROR!!

Name a single manufacturer that does this in any field, Jeff, not just Ham radio. Default settings are exactly that, they DEFAULT to a state where the device will function in the majority of situations. One can even buy a race car these days - and does it come from the factory tweaked for optimum performance? No, "dialing it in" is up to the racer. Buy an OEM computer - is it optimized for the end user? No, it's the user's responsibility to customize their configuration. Buy a toaster - is it set to make toast perfectly? I doubt it. Again, up to the end user to adjust the toaster to make "perfect" toast.

>Hey, I don't care. All you are doing here is confirming exactly what I
>was saying. That is, that the ham radio market is treated exactly like
>a consumer market with regards to their technical competence. You get what
>you pay for.

The problem is that you make it sound like a bad thing. I know you don't care - your agenda appears to be nothing but an attempt to bash a company that you don't like. You make the false assumption that everyone in ham radio has some high level of technical expertise and it's just not true. In my line of work I run into people who have all sorts of computer certifications and degrees, yet don't know the first thing about FDISKing and Formatting a hard drive. One of my neighbors in Glendale had a hard time getting his KPC-3 setup to work with his Packet Cluster stuff and I had to help him out. This guy is no novice dummy - He's been a ham longer than I've been alive, a degreed electronics engineer, helped develop SSTV (built the SSTV system that Barry Goldwater took to Viet Nam), and went back to school when most people are retiring and started a new career. Yet, he still had problems setting up a TNC. I thought we were here to help each other - not put the onus on Kenwood to optimize a wireless network that they have no control over.

I don't know about getting what I paid for. My TH-D7 was under $500 including the upgrade to the G variant - which is less than what I paid for my FT-51R. The FT-51 I bought also had firmware bugs and a few hardware flaws. Even though I think the FT-51 is the best HT ever made for the Ham purist, I would not trade my TH-D7 for one. Had I expected Kenwood to "support" this radio in the manner you seem to think fit, I would expect to pay a lot more than $400. Plus they would expect me to pay them every time I asked for an opinion... I have provided technical support in both the computer and environmental fields. My environmental expertise will cost you $75 per hour minimum (per person) plus a hefty annual emergency service contract. I do computer work cheap - $40 an hour - and I do not guarantee 2 hour response time like I did in the HazMat Field...

> > Not everyone who buys an HT is an expert, like you,
> > Jeff.
>
>Ahh, another attempt at sarcasm from you? You could at least follow
>the thread if your going to do this. If you were, you would have seen that I
>was agreeing with Bill Vodall that there was no excuse to have default TXD's
>that are 3+ times longer in the present day then 15 years ago.

Actually it was meant as a compliment. Again, not everyone in ham radio has the breadth of experience and knowledge you have. And again, it's not Kenwood's responsibility to make a default value anything other than one which will work in the majority of circumstances. That's not an excuse,

that's sound engineering and customer service practice. Can you find
something more piddly to complain about?

What I don't get is what your agenda is. Kenwood has given the user the
ability to adjust this value to a setting that is more in line with the
hardware his local digipeater uses. So what's the purpose of your discourse?

73,

Mark

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34. [aprssig] WinAPRS, Win9x, Win2K and the dreaded UE

From: Arte Booten <n2zrc@webspan.net>
Date: Fri, 02 Feb 2001 14:32:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132554-2001.02.02-13.48.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

    This is principally for those now running Windows 2000 that used to
run Windows 9x and WinAPRS: Have you noticed a lessening of Unhandled
Exceptions under Win2K than you experienced under Win9x?

    The machine I'm thinking about running WinAPRS on (because, and ON-
LY because, APRSDos does not yet support the Oregon Scientific WM-918 WX
station) currently uses Win98 SE. My past experiences with WinAPRS and
Win9x leave, shall we say, something to be desired. While upgrading to
Win2K (yes, I know better than to "upgrade", but to do a fresh install
on a newly formatted partition!) isn't really what I'd *like* to do, I
also demand a certain amount of reliablility in my APRS machine.

    Hmm, does XASTIR support the WM-918? It's a dual-boot box using
Linux-Mandrake 7.2 on the other partition 8-{)>   73
+---+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+---+

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35. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Chuck Byam <cbyam@virginia.edu>
Date: Fri, 2 Feb 2001 15:15:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132559-2001.02.02-14.29.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Friday 02 February 2001 14:32, Arte Booten wrote:

<snip, snip>

>   Hmm, does XASTIR support the WM-918? It's a dual-boot box using
> Linux-Mandrake 7.2 on the other partition 8-{)>   73

While I'm not familiar with this particular product (and their website is a
bit sparse on details) it appears that the unit communicates via a standard
DB9 serial cable using binary data fields similar to the WX-200. I'd be
interested in hearing if this unit does work and if not let me know and we'll
see about helping you out.

Chuck Byam, KG4IJB
www.xastir.org

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36. [aprssig] Re: Txdelay

From: Jeff King <jeff@aerodata.net>
Date: Fri, 02 Feb 2001 17:03:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132570-2001.02.02-16.16.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:
>
> At 09:07 PM 1/31/01, Jeff King wrote:

> > > Well, you have to set the default limit somewhere.

> >Yeah, maybe at a optimal value that gives the best performance?? The
> >HORROR!!

> Name a single manufacturer that does this in any field, Jeff, not just Ham
> radio. Default settings are exactly that, they DEFAULT to a state where
> the device will function in the majority of situations.

500ms TXD? Come on Mark..... there is a "DEFAULT" value, and then there is the value that says: "We are configuring this radio for the user(s) that run a tube type/relay 2meter amplifier and then leave it in the SSB position". (SSB position on a RF sensed amplifier holds the relay in a short period after RF disappears, which would blank out recieved packets, thereby this user would require long txd's from people he wants to hear, so his/her relay could drop out)

Name a single manufacturer? I already have Mark... The TNC1, which I had _already_ mentioned, was made by TAPR, had a default TXD of 140ms, almost 4 times SHORTER then the D7, 15(!) YEARS ago. The TNC2, which by all accounts had too long of a default TXD in almost every situation, (300ms) was made by TAPR, MFJ, Paccomm, AEA, GLB, Symek and I am sure others.

The real thing you don't understand here is Kenwood is selling a system.... the radio AND the TNC. So the variable of the radio, which txd compensates for, is thrown out. They easily could have defaulted it to 100ms and it would have worked fine. This would have doubled channel capacity. In the few situations a digi/station is not running open squelch, they could have put a note in the manual saying to contact that person and asked them to update their system (or for the short run increase your txd).

> >Hey, I don't care. All you are doing here is confirming exactly what I
> >was saying. That is, that the ham radio market is treated exactly like
> >a consumer market with regards to their technical competence. You get what
> >you pay for.
>
> The problem is that you make it sound like a bad thing.

It is a bad thing. Sorry I wasn't more clear.

> I know you don't
> care - your agenda appears to be nothing but an attempt to bash a company
> that you don't like.

I like Kenwood's HT's and HF rigs. I own one of each. But if a company makes a bad decision, that ultimately could hurt the hobby, should not one question it? And we are not talking any big deal here. If anyone else was doing this, I would feel the same way. So it has nothing to do with Kenwood as a company, just a bad techical decision a employee of theirs made. (And I bet it caused alot of heated arguements amoung the techies at Kenwood vs. the marketing drones and we know who won).

> You make the false assumption that everyone in ham
> radio has some high level of technical expertise and it's just not
> true.

Are we talking about ham radio or CB radio here? Last time I looked, you had to pass a license exam, that was less then trivial. I give people the benefit of the doubt until I learn otherwise. Up until this time,

to some degree, every packet manufacturer gave the ham the benefit
of the doubt. Compare a Kenwood D7 manual to lets say a MFJ-1270
manual. You tell me who is giving who the benefit of the doubt.

> I don't know about getting what I paid for.

That comment was more rhetorical... I meant if you stand by and take
it, that is exactly what you will get in the future. You ever notice
on these SIGS how often manufactures would pop in every so often? On
this very SIG I have seen employees of Paccomm, Kantronics, AEA (ex),
MFJ and I'm sure others. But where is Kenwood? It is a new day, for
better or worse, and if your happy with it, then you will get more of
it.

> > > Not everyone who buys an HT is an expert, like you,
> > > Jeff.

> >Ahh, another attempt at sarcasm from you?

> Actually it was meant as a compliment.   Again, not everyone in ham radio
> has the breadth of experience and knowledge you have.

I didn't take it as a compliment because you involved ham radio as a whole.
Clearly, I wasn't talking about all of hamdom, but the manufacturers. You'd
think they would know a little more then some guy in his garage, assuming
what you where saying really was a compliment. In any case, thanks and sorry
I misunderstood.

> What I don't get is what your agenda is.   Kenwood has given the user the
> ability to adjust this value to a setting that is more in line with the
> hardware his local digipeater uses.   So what's the purpose of your discourse?

Well, we both are having this discourse such as it is and I can't answer that
for you. By the length, rambling and tangent(s) of your comments, I'd guess
you might be the one with the agenda.

As for me, it is fairly clear. I was just agreeing with another fellow that
made this statement:

 > > A half second txdelay was gross 15 years ago. There's no excuse
 > > to have that today.

Yet all you have given me here are indirect excuses why this is OK.
Ham radio SHOULD NOT have to be plug and play. Hey, I don't have any
 problem with ease of use but when a manufacturer
"dumbs down" the settings so much that is SIGNIFICANTLY affects overall
channel throughput, then one just has to stand up and say enough is enough.
The draconian flash update policy Kenwood has doesn't effect me because I
won't buy one... yet 500ms txd's over the air does effect me and the greater
good of APRS. There is absolutly no excuse for it considering the radio
will work down to less then 80ms TXD's at 1200baud.

If your going to respond to this, I'd like you to address the above two
paragraphs in some fashion, as they where the core statement which
you have ignored to this point. Otherwise, I am done.

Thanks

Jeff

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37. [aprssig] Re: Txdelay

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 02 Feb 2001 18:00:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132577-2001.02.02-18.17.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:03 PM 2/2/01, Jeff King wrote:

>500ms TXD? Come on Mark..... there is a "DEFAULT" value, and then there is the
>value that says: "We are configuring this radio for the user(s) that run a
>tube type/relay 2meter amplifier and then leave it in the SSB position".

That's exactly the worst case scenario and probably why they set it at
500ms. Not too long ago (4 years), when I lived in Phoenix, we actually
ran APRS through a voice repeater. It wasn't until we got a good
mountaintop Digi that made that go away. It is still not uncommon in
certain parts of the country to hear packet being sent through analog
repeaters.

>Name a single manufacturer? I already have Mark... The TNC1, which I
>had _already_ mentioned, was made by TAPR, had a default TXD of 140ms,
>almost 4 times SHORTER then the D7, 15(!) YEARS ago. The TNC2, which
>by all accounts had too long of a default TXD in almost every situation,
>(300ms) was made by TAPR, MFJ, Paccomm, AEA, GLB, Symek and I am sure
>others.

Right, the default in a KPC-3 is 300ms, but it works fine with my radio and
digi at 60ms or (in your math) 5 times higher than it needs to be to
work. Again testing the TH-D7 through the same Digi I find I need to have
the TXD set to 200ms to digipeat on a resonable basis or, so the Kenwood
default is only 2.5 times higher than it needs to be. Looks like
Kantronics is a bigger offender.

>The real thing you don't understand here is Kenwood is selling a system....
>the radio AND the TNC. So the variable of the radio, which txd compensates
>for,
>is thrown out. They easily could have defaulted it to 100ms and it would
>have worked fine.

Wrong. The system includes a digipeater (or analog repeater) and that is a
variable Kenwood has no control over. As I have stated - the TH-D7 when
set to 100ms WILL NOT digipeat in the tests I've done with a digipeater
consisting of a KPC-3 plus and a properly aligned Kenwood mobile radio
running open squelch. Since it will digipeat my car tracker consisting of
a KPC-3 Plus set to 60ms and a FT-8500, I would have to say the shortcoming
is in the handheld.

>This would have doubled channel capacity. In the few
>situations a digi/station is not running open squelch, they could have
>put a note in the manual saying to contact that person and asked them to
>update their system (or for the short run increase your txd).

Again, putting the onus on Kenwood to inform people how to setup and run a
network.

> > >Hey, I don't care. All you are doing here is confirming exactly what I
> > >was saying. That is, that the ham radio market is treated exactly like
> > >a consumer market with regards to their technical competence. You get what
> > >you pay for.
> >
> > The problem is that you make it sound like a bad thing.
>
>
>It is a bad thing. Sorry I wasn't more clear.
>

Again, I don't understand. Here is your original quote:

"It was a technical question. That and talking about the
future of APRS is one sure way to make the SIG go quiet."

You contradict yourself. In one instance you bash everyone on the sig
basically saying we're slackjawed incompetents and then when you want to
make another point - we're all technical gurus.

> > You make the false assumption that everyone in ham
> > radio has some high level of technical expertise and it's just not
> > true.
>
>Are we talking about ham radio or CB radio here? Last time I looked, you
>had to pass a license exam, that was less then trivial. I give people
>the benefit of the doubt until I learn otherwise. Up until this time,
>to some degree, every packet manufacturer gave the ham the benefit
>of the doubt. Compare a Kenwood D7 manual to lets say a MFJ-1270

>manual. You tell me who is giving who the benefit of the doubt.

See above. First we're idiots and then we're all highly skilled experts in multiple fields. As for exams, I don't recall any questions that related to the technical aspects of packet radio, much less APRS, or Kenwood Handhelds. I seem to recall 50 multiple choice questions regarding proper operating procedure, band plans, identifiying basic circuits, and Ohm's Law. It WAS a trivial test. I read the book, "Now You're Talking," over the course of a few evenings and then went through the test pool the night before the exam. I managed to pass with 100%.

One person new here recently stated that he passed the test after a few hours study and that he hadn't retained much after a few months. Someone also told me that the current Technician exam is no longer even 50 questions, and has been further abbreviated.

The only good way I've found to learn about packet is to attend meetings and monitor the SIGs. I got a lot of support early on from the Phoenix Packet User's Group and specifically George Poland, W8FWF and Barney Fagan, KB7KOE.

>That comment was more rhetorical... I meant if you stand by and take
>it, that is exactly what you will get in the future. You ever notice
>on these SIGS how often manufactures would pop in every so often? On
>this very SIG I have seen employees of Paccomm, Kantronics, AEA (ex),
>MFJ and I'm sure others. But where is Kenwood? It is a new day, for
>better or worse, and if your happy with it, then you will get more of
>it.

Funny, I've seen people from Kenwood pop in here. I've even gotten some private responses from Kenwood employees about my comments here. When I worked at Gateway I would monitor the Gateway PC newsgroup and PRIVATELY assist people when I could. I signed an agreement of non-disclosure my 1st day there, which is SOP for many companies. When I worked at ESI, I was under direct orders NEVER to speak publicly about my job. When was the last time someone from Paccomm was around? I think the owner vowed never to have anything to do with this SIG ever again -- mostly because of certain hypercritical people on this SIG. And Jeff, I'd have to lump you in with that crowd.

>I didn't take it as a compliment because you involved ham radio as a whole.
>Clearly, I wasn't talking about all of hamdom, but the manufacturers. You'd
>think they would know a little more then some guy in his garage, assuming
>what you where saying really was a compliment. In any case, thanks and sorry
>I misunderstood.

Apparently you've never spoken to anyone at Kantronics. The people who answer the phone don't even know product and I doubt they're licensed hams. Ditto for the defunct AEA. Even when I've gotten through to their technical people I was given wrong information. OTOH, the Kenwood and Yaesu employees I've spoken to seemed to know what was going on...

>Well, we both are having this discourse such as it is and I can't answer that
>for you. By the length, rambling and tangent(s) of your comments, I'd guess
>you might be the one with the agenda.

Yes, sometimes I use non-ham ramblings to make a point when it comes to APRS. But I think if we look at the tangents you've gone off on about Kenwood's disrespect for American Hams and the length of your posts it all about even's out. My agenda is clear. To bring as many people into this hobby as I can, and to stop hypercritical bashing of users, manufacturers, and vendors over trivial matters.

>Yet all you have given me here are indirect excuses why this is OK.
>Ham radio SHOULD NOT have to be plug and play.

Again, you contradict yourself. You say you don't want plug-n-play ham radio, but then you want the manufacturer to OPTIMIZE the settings of a radio to work within the confines of what you consider normal. Isn't that an odd juxtaposition?

>Hey, I don't have any
> problem with ease of use but when a manufacturer
>"dumbs down" the settings so much that is SIGNIFICANTLY affects overall
>channel throughput, then one just has to stand up and say enough is enough.

Again, if we're all so technically competent then it's a non-issue, we'll all go in, as a matter of course, and tweak the setting to lowest possible TXD. Kenwood didn't dumb down anything - it's a VARIABLE setting and one you have control over.

>The draconian flash update policy Kenwood has doesn't effect me because I
>won't buy one... yet 500ms txd's over the air does effect me and the greater
>good of APRS. There is absolutly no excuse for it considering the radio
>will work down to less then 80ms TXD's at 1200baud.

It's an open network and you'll have to suffer the deeds and actions of other people. Sorry. Again from my observations of the TH-D7, 200ms is the lowest setting I can use. In the grand scheme of things, 300ms is highly trivial. In the real world, I sincerely doubt that it would reduce channel loading at all, given the randomness of people's beacon rates and the number of "deaf" trackers.

I would like to say, that as the owner/operater of the Sioux Falls APRS digipeater that I don't give a rat's behind if a user has a TXD that could be lower. I'm just happy that someone got some use and enjoyment out of the system. Heck, set your TXD to 1000ms - go to town!

>If your going to respond to this, I'd like you to address the above two
>paragraphs in some fashion, as they where the core statement which
>you have ignored to this point. Otherwise, I am done.

As always, you get to set the tone of the discourse...

73,

Mark

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38. [aprssig] Re: Txdelay

From: Jeff King <jeff@aerodata.net>
Date: Fri, 02 Feb 2001 19:43:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132587-2001.02.02-18.56.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

<lots>

Mark:

This is getting tedious. And to what point? Agree to disagree and move on. Clearly nothing I say will change your thoughts or the conclusions you have reached.

And as to the large number of personal slams and accusations you made in your last e-mail.... all can say is look at your own personal situation and go from there. If you are happy, great. If your not, address the issues that need to be taken care of instead of tilting at windmills on the SIG.

Good luck

-Jeff

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39. [aprssig] GOODBYE TO SUNSAT

From: "Ross J. Lane" <lobsta@midmaine.com>
Date: Fri, 02 Feb 2001 20:10:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132590-2001.02.02-19.25.09--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

QRZ.COM has an article on the demise of SUNSAT.

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40. [aprssig] Re: Txdelay

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Fri, 2 Feb 2001 17:19:25 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132591-2001.02.02-19.33.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm only going to offer one comment to this:

On Friday, February 02, 2001 4:01 PM Mark Fellhauer wrote:

>Apparently you've never spoken to anyone at Kantronics. The people who
>answer the phone don't even know product and I doubt they're licensed
>hams. Ditto for the defunct AEA. Even when I've gotten through to their
>technical people I was given wrong information. OTOH, the Kenwood and
>Yaesu employees I've spoken to seemed to know what was going on...

The entire time I worked at AEA, the front line technical support group was staffed by licensed amateur operators. I was one of them from January 1990 until March 1994. To my knowledge, that was the case until AEA closed its doors. There were people in the customer sales group at various times that did not have an amateur license, although all employees were encouraged to become licensed, including underwriting classes, when they were available. A number of these employees subsequently did become licensed and active. That said, due to the many operating opportunities in amateur radio, not every member of the staff was interested in the same aspects.

When I started with AEA, one of the techs was recently licensed and had operating experience only on VHF packet. The head of the department had used HF and VHF packet, TTY, AMTOR, and phone. His primary focus at that time was commercial packet applications. And I'd been active on VHF and HF packet for about 5 years, doing everything from keyboard chatting to RLIBBS, MSYS, G8BPQ, TCP/IP, and 9600 packet, in addition to previous operations on TTY and HF and VHF phone. But I'd not been on AMTOR. Later on the first guy moved into sales, and we hired another experience ham - one who'd been working in support for Icom for years. It turned out he was and AMTOR buff, and a lot more experience with it (as I was with packet) than I ever became. We routinely passed calls back and forth when we got out of our individual depths.

I don't remember WHEN it was, but recall talking with Bob Bruninga about APRS. It sounded like an interesting application at the time, and I went to our firmware developers and the new president of the company to see if GPS support could be added. Unfortunately, our primary available VHF product at that time (the PK-88) didn't have any available code space left - the prized maildrop had consumed it. I also remember an interesting phone call from the FCC - they were looking for the ability to share position and bearing information over the radio. I gave them some information on how they might achieve the data transfer, and also pointed them in the direction of Bob Bruninga, although I have never heard whether they got together. I also recall getting a phone call from a member of the military, looking for a way to insert their crypto gear between the "host processor" part of a PK-232 and the "modem" part. Mind stretching exercises, to be sure. 'nuf ramblin'.

The point here is that not everyone that was tasked with supporting the customer had the history or interest in the specific narrow niches of the market that AEA catered to. And a lot of the information delivered could have ended up being completely different if the facts provided by the customer were incomplete or incorrect in some minor detail. In some cases, you just can't give the right answer because you don't have the right information.

>Again, if we're all so technically competent then it's a non-issue, we'll
>all go in, as a matter of course, and tweak the setting to lowest possible
>TXD. Kenwood didn't dumb down anything - it's a VARIABLE setting and one
>you have control over.

I DO wish Kenwood had made more of these settings available from the front
panel instead of requiring connecting a computer to the radio. Not to say
that I don't enjoy the D7, but when marketing drives the design decision
process, the customer usually seems to lose, in ways that don't necessarily
jump out at them. I spent a significant amount of time while answering
phone calls also evaluating the performance and conformance to specification
of new products and upgrade features. It sure didn't hurt to be able to
talk to the designers and programmers about product direction, and we
managed to detour or redirect some marketing "initiatives" into areas of
more benefit to the market.

There's my 'two cents worth' for the weekend.

73, Bob

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41. [aprssig] AFilter multiuser Regional Server demo

From: Bill Diaz <billdiaz@megsinet.net>
Date: Fri, 2 Feb 2001 20:14:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132594-2001.02.02-20.28.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dick, KB7ZVA is running a beta version of the AFilterX multiuser regional
server.

AFilterX provides multiple users with a connection to an AFilter session that
is configured to only return APRS packets from stations within a limited
geographical area. Dick's demo presently provides service for the state of
Arizona. He currently limits the number of client connections to 20 users.
 The data provided is standard AFilter output. Defective and non-compliant
packets are rejected etc.

The AFilterX regional server requires a single connection to APRServe, and can
provide multiple users with a clean feed, while limiting the load on APRServe
to a single connection,

If you are interested in beta testing an AFilterX regional server, the
necessary applications can be downloaded from
http://www.c2i2.com/~yumaprs/index.html   Download AFilter233.zip (Latest
version of AFilter) and AFilterX102.zip

Bill KC9XG

 Display current vehicle location : http://www.findu.com/cgi-bin/find.cgi?K
C9XG-14

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42. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "Reddy Biggs" <reddy@amarillomed.com>
Date: Fri, 2 Feb 2001 20:44:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132595-2001.02.02-20.54.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Arte,

I've been running Win2k since April, with WinAPRS 2.4.5 .

I run 99% on VHF, and enable the IGate function only as a backup for the KB5WIO Igate here in the Texas
Panhandle.

I have only had 1 Unhandled exception since changing to Win2k. It was while in the IGate + VHF mode.

I have never had an unhandled exception with Win2k and WAprs 2.4.5 in VHF mode.

I upgraded from Win98, and made it a dual boot machine. I have liked Win2k so much I never use Win98 any
 more. The upgrade was actually one of the easier ones. Pay attention to reinstalling the Precision

Mapping OCX files that was mentioned a few days ago.

Under Win98 I was getting unhandled exceptions every couple days.

Does that help ?

BTW, SP1 is installed as well.

73,
Reddy Biggs
KC5JIF

> ----- Original Message -----
> From: Arte Booten
> To: TAPR APRS Special Interest Group
> Sent: Friday, February 02, 2001 1:32 PM
> Subject: [aprssig] WinAPRS, Win9x, Win2K and the dreaded UE
>
> Hi all,
>
> This is principally for those now running Windows 2000 that used to run Windows 9x and WinAPRS: Have you noticed a lessening of Unhandled Exceptions under Win2K than you experienced under Win9x?
>
> The machine I'm thinking about running WinAPRS on (because, and ONLY because, APRSDos does not yet support the Oregon Scientific WM-918 WX station) currently uses Win98 SE. My past experiences with WinAPRS and Win9x leave, shall we say, something to be desired. While upgrading to Win2K (yes, I know better than to "upgrade", but to do a fresh install on a newly formatted partition!) isn't really what I'd *like* to do, I also demand a certain amount of reliablility in my APRS machine.
>
> Hmm, does XASTIR support the WM-918? It's a dual-boot box using Linux-Mandrake 7.2 on the other partition 8-{}> 73
> +----------+
> |Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
> |Riverdale, New York [FN30bu] !4052.71N/07354.06WNPHG5370/A=00240|
> |PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
> +----------+
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

43. [aprssig] Re: Txdelay

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 02 Feb 2001 21:38:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132602-2001.02.02-21.55.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:43 PM 2/2/01, Jeff King wrote:

>And as to the large number of personal slams and accusations you
>made in your last e-mail.... all can say is look at your own personal
>situation and go from there. If you are happy, great. If your not, address
>the issues that need to be taken care of instead of tilting at windmills
>on the SIG.

Who's tilting at Windmills? Jeff, you're the one railing at the world over 300ms....

73,

Mark
KC7BXS

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44. [aprssig] Re: Txdelay

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 02 Feb 2001 21:50:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132606-2001.02.02-22.07.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:19 PM 2/2/01, Robert Donnell wrote:

> >Again, if we're all so technically competent then it's a non-issue, we'll
> >all go in, as a matter of course, and tweak the setting to lowest possible
> >TXD. Kenwood didn't dumb down anything - it's a VARIABLE setting and one
> >you have control over.
>
>I DO wish Kenwood had made more of these settings available from the front
>panel instead of requiring connecting a computer to the radio. Not to say
>that I don't enjoy the D7, but when marketing drives the design decision
>process, the customer usually seems to lose, in ways that don't necessarily
>jump out at them.

The G variant of the D7 has this as a keyboard option, as has been pointed
out - it's option 2-P under the menu button.

73,

Mark
KC7BXS

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45. [aprssig] D700 Tx Delay (was Re: Txdelay)

From: Greg Noneman <greg@clubnet.net>
Date: Fri, 2 Feb 2001 21:50:45 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132634-2001.02.03-00.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pete,

I tried changing the TXD parameter from the TNC Packet mode of the
TMD-700A and observed no change in the TXD in the APRS mode. I monitored
my transmitted packets with another receiver and sampled the recovered
audio on an oscilloscope. In all cases, I observed 400ms to 500ms of
delay from PTT enable to start of data. Performance in the TNC only mode
was as expected (delay changed per TXD setting).

If anyone else has succeeded in making this work, please chime in.

Greg
WB6ZSU

>The parameter must be set using a terminal program (such as HyperTerminal)
>and the radio must be in packet mode (not APRS mode). Then you can send
>the command "txdelay 20" without the quotes to set the TNC (see the back of
>your Specialized Communications manual). It does appear to carry over to
>APRS mode.
>
>73,
>
>Pete Loveall AE5PL

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46. [aprssig] Re: AFilter multiuser Regional Server demo

From: "Dick Stanich" <dstanic@c2i2.com>
Date: Sat, 3 Feb 2001 0:16:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132637-2001.02.03-00.30.37--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

We forgot to mention how you connect to the Demo!

If you are using Winaprs, add your connect to aprserve.txt or
aprsxtra.txt:

216.183.206.65<tab>2023<tab>Arizona Regional Server

Other applications, connect to 216.183.206.65 Port 2023

This is a demo showing how a regional server works. You only see what the
server sees for a specified area. My center point is in the middle of
Arizona and extends 250 in all directions from that point. All RF and TCP
stations are covered.

Dick, KB7ZVA
SouthWest Arizona APRS Group

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47. [aprssig] Xastir under Win9x

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sat, 3 Feb 2001 00:32:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-132638-2001.02.03-00.47.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, it works!

But, I'm cheating... B-)

Xastir is actually running on one of my Linux boxes. Twice. Once for a local
display, the other using the MI/X server I just installed on my Win98 box
for the display.

MI/X can be obtained from http://www.microimages.com/ for $25; it has a
15-day demo period. There is an older version that is free, but you have to
search for it, and trying to get Xastir to switch to "maximized" would crash
it every time. There are also truly free X servers for Win9x out there, if
you want to look for them.

Given an inexpensive or free X server, it IS possible to compile Xastir for
Win9x/NT and even OS/2. All of the other tools needed are available; gcc,
glibc, lesstif, etc., have been brought up under Win32 already.

If someone has a lot of time on their hands...

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

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letting other people run their own lives."

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48. [aprssig] Timesetting

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 03 Feb 2001 01:20:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132645-2001.02.03-01.34.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have found a Windows soundcard timesetting utility that syncs to WWV,
WWVH, WWVB, VNG, MSF, & others. It works very well on WWV. I have been
looking for something like this for a long time. Testing with a Sangean
ATS 909 using the standard whip antenna yielded good results despite some

deep fading. And yes, I know there are plenty of internet time setting utilities . Some of us however, want to put the "radio" back in ham radio. Just another way to keep your APRS computer on time. The graphical display also shows you what those beeps and thumps are doing.

Radio Clock

http://sapp.telepac.pt/coaa/radioclock.htm

The author also makes a GPS time sync utility and an HF beacon monitor:

http://sapp.telepac.pt/coaa/gpstime.htm

http://sapp.telepac.pt/coaa/

73,

Mark
KC7BXS

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49. [aprssig] Opening TCP/IP connections questions

From: SBCmusic@aol.com
Date: Sat, 3 Feb 2001 07:29:10 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132652-2001.02.03-06.43.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi, all, I'm back on APRS after a lengthy absence do to moving and redoing a new house.

I can't seem to connect to the aprs network through my dial up connection. I figure I'm missing something real simple, but for the life of me I can't figure out what it is!! I just keep getting TCP port open failed.

Thanks for any help,
Rick N9GSU

50. [aprssig] Re: Opening TCP/IP connections questions

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sat, 3 Feb 2001 06:54:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132657-2001.02.03-07.08.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Which version of APRS? Which ISP? Which server?

Some ISPs (like AOL) use proxy servers, rather than assigning a "real" IP to you. If not set up "correctly", such systems will not allow access to telnet ports OTHER than 23, and not all servers will allow a connect on port 23.

If you have WinAPRS, open the file APRSERVE.TXT (may be spelled APRSSERV.TXT) with a text editor, and change 'www.aprs.net" to show a port number of 23 instead of 10151, being careful to NOT change tabs to spaces (NOTEPAD is a good editor to use for this). Save the file, and restart WinAPRS. Try opening the just-changed server...

If it works, your ISP is blocking you from accessing the normal port 10151, which supplies the full feed with an 8 hour dump of stations, but WILL allow you to access the feed WITHOUT the dump.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

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51. [aprssig] APRSHELP.COM -- Authors Alert

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 03 Feb 2001 08:45:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132665-2001.02.03-07.59.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRSHelp is just the ticket for anyone doing APRS research. The name is easy to remember, and engenders the right emotion for visiting it. Unfortunately, information is only as good as the source. It does a good job of hitting the "intro" APRS software but contains not much on some of the other Amateur-grown stuff that exists such as Xastir, Afilter, AfilterX, PearlAPRS, UI-View, XAPRS, HamHUD and TinyTrak. (ie- what *is* Afilter and how is it used?)

If you are an author of one or more of these products, would you please forward the web page author some information about your product, so that it may be included there, too?

No, I'm not the author...but you may hit the website to find them. (or mailto:kc5jgv@arrl.net).

The potential for this website is great. Please support it with useful information.

Ev Tupis, W2EV

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52. [aprssig] APRS DOS and Win98SE Comm Ports

From: "Mike Warner, N3XPD" <mdwarner@paonline.com>
Date: Sat, 3 Feb 2001 8:8:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132676-2001.02.03-08.22.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello, I can't get APRS DOS to work using COMM 3 or 4 on my Win98 machine.
The KPC3+ is on comm 4 and the PeetU2000 WX is on comm 3. Both of these devices communicate ok in windows terminal or other win comm apps. These ports are on a PCI card and share IRQ11 and are not configurable.
Seems I recall reading about this somewhere but have been unable to locate any info.??
tnx for any help

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53. [aprssig] Message from julian.ronny@cellemetry.com

From: Stan Horzepa <stanzepa@mail2.nai.net>
Date: Sat, 03 Feb 2001 09:13:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132677-2001.02.03-08.23.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Return-Path: <julian.ronny@cellemetry.com>
Received: from ntexc.cellemetry.net ([12.36.158.249]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Sat, 03 Feb 2001 02:37:46 -0600
Received: by ntexc.cellemetry.net with Internet Mail Service (5.5.2650.21)
    id <D30K75P5>; Sat, 3 Feb 2001 03:17:19 -0500
Message-ID: <250DD03C533ED411A8B90050DABDA6A4325E4D@ntexc.cellemetry.net>
From: "Julian, Ronny" <julian.ronny@cellemetry.com>
To: "'aprsnews@lists.tapr.org'" <aprsnews@lists.tapr.org>
Subject: APRS on a palm
Date: Sat, 3 Feb 2001 03:17:15 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2650.21)
Content-Type: multipart/alternative;
    boundary="----_=_NextPart_001_01C08DB9.B99CE10A"

This message is in MIME format. Since your mail reader does not understand

this format, some or all of this message may not be legible.

------_=_NextPart_001_01C08DB9.B99CE10A
Content-Type: text/plain;
    charset="iso-8859-1"

I have a spare 2 meter radio, a KPC3, Magellan GPS, and an orig. Palm Pilot
Pro 1 meg version. Can all these be used to set up a portable APRS system?
I do have an older 486 based laptop I could use also for this but I thought
the Palm would be better for a battery based system. Any ideas on this? tnx
K4RJJ

------_=_NextPart_001_01C08DB9.B99CE10A
Content-Type: text/html;
    charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2//EN">
<HTML>
<HEAD>
<META HTTP-EQUIV=3D"Content-Type" CONTENT=3D"text/html; =
charset=3Diso-8859-1">
<META NAME=3D"Generator" CONTENT=3D"MS Exchange Server version =
5.5.2650.12">
<TITLE>APRS on a palm</TITLE>
</HEAD>
<BODY>

<P><FONT SIZE=3D2 FACE=3D"Arial">I have a spare 2 meter radio, a KPC3, =
Magellan GPS, and an orig. Palm Pilot Pro 1 meg version. Can all =
these be used to set up a portable APRS system? I do have an =
older 486 based laptop I could use also for this but I thought the Palm =
would be better for a battery based system. Any ideas on this? =
tnx K4RJJ</FONT></P>

</BODY>
</HTML>
------_=_NextPart_001_01C08DB9.B99CE10A--

------ End of Forwarded Message

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54. [aprssig] Re: APRS DOS and Win98SE Comm Ports

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sat, 3 Feb 2001 08:25:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-132678-2001.02.03-08.39.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> APRSDOS & PCI comm ports

You need to find a "Virtual DOS driver" for Windows that will map the
odd-ball ports to something APRS/DOS can understand... and not many cards
ship with virtual DOS drivers anymore.

APRS/DOS expects COM3 to be at 03E8/IRQ4, and COM4 to be at 02E8/IRQ3.
Windows does NOT. If you check your hardware resources, you'll see that the
PCI-based ports are nowhere near those addresses... and probably on IRQ 10
or 11.

Maybe you should take the Windows devices that are currently on COM1 and 2
and move them to 3/4, so that APRS/DOS can have the "real" ports?

Jeff Brenton, Amateur Radio call sign KA9VNV

http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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55. [aprssig] RE: APRSHELP.COM -- Authors Alert

From: "Scott-KC5JGV" <kc5jgv@ozarkisp.net>
Date: Sat, 3 Feb 2001 08:57:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132681-2001.02.03-09.15.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you for the plug Ev. I am trying to build a website that we can all be
proud of. I don't consider it MY website, rather, I consider it OUR or YOUR
(APRS users) website. I have started with the introduction as the first
phase of the website. I was to build it up to include items that are
interesting and important for experienced users as well.

The underlying theme of APRSHELP is to HELP APRS USERS! Please, please,
please help me build YOUR website!!!

Just on a personal note, I am in the middle of a move to a new job (starts
this Monday), QTH, moving kids, dogs, cats, turkeys, chickens, etc. etc. So,
if you submit something for APRSHELP it may take me a few days to get it
online.

Thanks again!

73,
Scott
www.qsl.net/kc5jgv

Need Help with APRS?
http://www.aprshelp.com
Need a 12v computer for APRS?
http://www.qsl.net/kc5jgv/aprs_computers.htm

-----Original Message-----
From: bounce-aprssig-21572@lists.tapr.org
[mailto:bounce-aprssig-21572@lists.tapr.org]On Behalf Of Ev Tupis
Sent: Saturday, February 03, 2001 7:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRSHELP.COM -- Authors Alert

APRSHelp is just the ticket for anyone doing APRS research. The name is
easy to remember, and engenders the right emotion for visiting it.
Unfortunately, information is only as good as the source. It does a
good job of hitting the "intro" APRS software but contains not much on
some of the other Amateur-grown stuff that exists such as Xastir,
Afilter, AfilterX, PearlAPRS, UI-View, XAPRS, HamHUD and TinyTrak. (ie-
what *is* Afilter and how is it used?)

If you are an author of one or more of these products, would you please
forward the web page author some information about your product, so that
it may be included there, too?

No, I'm not the author...but you may hit the website to find them. (or
mailto:kc5jgv@arrl.net).

The potential for this website is great. Please support it with useful
information.

Ev Tupis, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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56. [aprssig] Re: [Xastir-friends] Xastir under Win9x

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Sat, 03 Feb 2001 09:14:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Xastir-friends@okcforum.org, aprssig <aprssig@tapr.org>
Message-ID: <LYR842-132683-2001.02.03-09.28.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff Brenton wrote:
>
> Yes, it works!
>
> But, I'm cheating... B-)
>
> Xastir is actually running on one of my Linux boxes. Twice. Once for a local
> display, the other using the MI/X server I just installed on my Win98 box
> for the display.

The compile will more'n likely require links for MOTIF, as Mi/X uses
the motif libs.

73, gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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57. [aprssig] Re: APRS DOS and Win98SE Comm Ports

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 03 Feb 2001 11:59:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132698-2001.02.03-12.13.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Most likely you will never get a comm port to work in a DOS box, especially
with a PCI device.

73,

Mark

At 02:08 AM 2/3/01, Mike Warner, N3XPD wrote:

>Hello, I can't get APRS DOS to work using COMM 3 or 4 on my Win98 machine.
>The KPC3+ is on comm 4 and the PeetU2000 WX is on comm 3. Both of these
>devices communicate ok in windows terminal or other win comm apps. These
>ports are on a PCI card and share IRQ11 and are not configurable.

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58. [aprssig] RE: D700 Tx Delay (was Re: Txdelay)

From: AE5PL <HamLists@ametx.com>
Date: Sat, 3 Feb 2001 12:05:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132700-2001.02.03-12.19.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You are probably right. I was judging by perceived keydown time. In that
case, we are stuck with the default delay on the D700. Ah, well.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Greg Noneman [mailto:greg@clubnet.net]
Sent: Friday, February 02, 2001 11:54 PM
To: SIG
Subject: [aprssig] D700 Tx Delay (was Re: Txdelay)

Pete,

I tried changing the TXD parameter from the TNC Packet mode of the
TMD-700A and observed no change in the TXD in the APRS mode. I monitored
my transmitted packets with another receiver and sampled the recovered
audio on an oscilloscope. In all cases, I observed 400ms to 500ms of
delay from PTT enable to start of data. Performance in the TNC only mode
was as expected (delay changed per TXD setting).

If anyone else has succeeded in making this work, please chime in.

Greg
WB6ZSU

>The parameter must be set using a terminal program (such as HyperTerminal)
>and the radio must be in packet mode (not APRS mode). Then you can send
>the command "txdelay 20" without the quotes to set the TNC (see the back of
>your Specialized Communications manual). It does appear to carry over to
>APRS mode.
>
>73,
>
>Pete Loveall AE5PL

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59. [aprssig] RE: Message from julian.ronny@cellemetry.com

From: AE5PL <HamLists@ametx.com>
Date: Sat, 3 Feb 2001 12:12:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132705-2001.02.03-12.26.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you upgrade your Palm Pilot Pro with a TRG SuperPilot II XL 8 meg card,
you will have OS 3.0 and be able to run pocketAPRS. I just did this to my
Palm Pilot Pro and it was easy. You simply switch out memory cards. I am
registering my pocketAPRS today.

By the way, this upgrades your Palm Pilot to the equivalent of a fully
loaded Palm III!

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----

From: Stan Horzepa [mailto:stanzepa@mail2.nai.net]
Sent: Saturday, February 03, 2001 8:16 AM
To: SIG
Subject: [aprssig] Message from julian.ronny@cellemetry.com

I have a spare 2 meter radio, a KPC3, Magellan GPS, and an orig. Palm Pilot
Pro 1 meg version. Can all these be used to set up a portable APRS system?
I do have an older 486 based laptop I could use also for this but I thought
the Palm would be better for a battery based system. Any ideas on this? tnx
K4RJJ

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60. [aprssig] 2.4.7

From: deunju@juno.com
Date: Tue, 30 Jan 2001 02:22:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132731-2001.02.03-15.59.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anywhere to get a full version of winaprs 2.4.7 with out having
to mess with 2.4.6 and using the patch repair?
Dale Urban N0KQX
Garden City Ks.

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

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61. [aprssig] Palm APRS

From: SBCmusic@aol.com
Date: Sat, 3 Feb 2001 17:12:05 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132732-2001.02.03-16.26.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi, I realize there probably are differing opinions on this, but I have a
question.....before I go out and buy a palm organizer (which is mainly for
my wife, but she's told me I can use it for APRS), which is better for APRS,
the Palm or the Visor?

Thanks for any help,
Rick N9GSU

62. [aprssig] Re: Palm APRS

From: "Byon Garrabrant" <byon@mail.com>
Date: Sat, 3 Feb 2001 14:57:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132733-2001.02.03-17.11.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 3 Feb 2001, at 17:12, SBCmusic@aol.com wrote:

> Hi, I realize there probably are differing opinions on this, but I
> have a question.....before I go out and buy a palm organizer (which
> is mainly for my wife, but she's told me I can use it for APRS), which
> is better for APRS, the Palm or the Visor?

I asked the same question about a month ago when I was considering both.
Mike Musick, the author of pocketAPRS, gave me some great tips. His
web page, www.pocketaprs.com, is a great resource for all things APRS
and Palm. I've had my Palm IIIc for about a month, and love it!

The Palm is better because it is inherantly a serial device, where the Visor
is a USB device. Since you will be wanting to interface with serial TNCs,
you will most likely have better luck with the Palm. It can be done with the
Visor, but it will be a no brainer with the Palm. You can even use the
HotSync cradle that comes with the Palm. Just add a gender changer and

null-modem adaptor, and possibly a DB9-DB25 adaptor (all available at
Radio Shack), and hook it to your TNC.

After you get it working, I'd recommend buying some of the Palm
connectors (if you get a PalmIII) from Mike's web page, and building a
custom cable to go between your TNC and your Palm. Then you won't
have to deal with all the adaptors. Either that or go buy a HotSync cable
from anyone that sells Palms, clip the DB-9, and replace it with whatever
your TNC needs.

Visor details can be found at http://www.pocketaprs.com/visor.html

73,
Byon
____
 Byon Garrabrant   N6BG   byon@mail.com

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63. [aprssig] RE: Palm APRS

From: Rich Mulvey <mulveyr@iname.com>
Date: Sat, 03 Feb 2001 18:15:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132735-2001.02.03-17.35.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 03-Feb-01 SBCmusic@aol.com wrote:
> Hi, I realize there probably are differing opinions on this, but I have a
> question.....before I go out and buy a palm organizer (which is mainly for
> my wife, but she's told me I can use it for APRS), which is better for APRS,
> the Palm or the Visor?

   Personally, I like the Visor better as an all-around PDA, primarily due to
the Springboard slot. (My wife has a Palm III, so we can compare. :-)

   However, the Visor is also primarily intended as a USB, not a serial device.
 And getting connectors for it is a pain. You can get serial cables from
www.markspace.com, but they only make them up in batches every few months.

   So, basically, you can use either one of them. I assume that since it is
mainly for your wife, the "general" usefullness of the PDA is probably more
important than specific issues around APRS. Remember - they have the same
screen size, essentially the same OS, etc.

- Rich

--
Catapultam habeo. Nisi pecuniam omnem mihi dabis, ad caput tuum saxum
immane mittam.
Where's Rich? http://www.findu.com/cgi-bin/find.cgi?aa2ys

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64. [aprssig] My FCC License

From: diputs <diputs@erols.com>
Date: Sat, 03 Feb 2001 19:46:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132744-2001.02.03-18.59.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone explain to me why my license is listed here (wm7d database),
http://www.wm7d.net/perl/ulsquery.pl?callsign=KC2HLT
and here (FCC database),
http://gullfoss2.fcc.gov/cgi-bin/ws.exe/genmen/uls_call_res.hts?db_id=19&callsign=KC2HLT&application_id=

but it isn't listed here (ARRL website)?
http://www.arrl.org:80/fcc/fcclook.php3?call=KC2HLT&x=15&y=11

Is the ARRL website not kept updated? For a second I thought my license
was revoked!

Thanks,
Heath

--
diputs   (spell it backwards)
--
"Next time I will..." "From now on I will..." --What makes me think I
am wiser today than I will be tomorrow?
Notes to Myself by Hugh Prather
--
Nighthawk and Blackbird

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65. [aprssig] GPS III+ and TH-D7A(G)

From: Zachary Michael <kb9uqq_2000@yahoo.com>
Date: Fri, 02 Feb 2001 22:50:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132795-2001.02.03-22.01.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gang,
I am trying to decide whether or not to buy a GPS III+ or not, to go
with my TH-D7A(G). Can a few people that have a GPS III+ running with
their TH-D7A please e-mail me off the list and tell me how good it is?
Is the waypoint feature useable like they say? Does the GPS get good
fixes fast? This will help me determine whether or not to buy one. If
I don't I will be using a Tripmate.
--
Thanks and 73's,
Zachary Michael, KB9UQQ, KB9UQQ-6, KB9UQQ-7, KB9UQQ-9, KB9UQQ-10
KB9UQQ-10 (Home)
http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-10
KB9UQQ-9 (Car)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-9

KB9UQQ-7 (D7A)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-7

KB9UQQ-6 (Laptop) http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-6

KB9UQQ   (Home)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq
40.25.51 N Degrees Latitude --- 085.15.29 W Degrees Longitude
Hartford City, Blackford County, Indiana
Zach's Homepage: http://www.kb9uqq.net/
Zach's APRS Resources: http://www.aprsinindiana.cjb.net/
TAWG Coordinator: http://www.tawg.org/
E-Mail: kb9uqq@tawg.org

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66. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sat, 03 Feb 2001 22:06:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132796-2001.02.03-22.20.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I have only had 1 Unhandled exception since changing to Win2k. It was =
>while in the IGate + VHF mode.

Just so everyone really understands what an unhandled exception means...

In C++ (and Java and other languages), there are facilities in the language
to 'handle' exceptional conditionss that occur at the instruction processing
level instead of allowing the operating system to terminate the application.
In languages such as C++ the following code fragment illustrates the concept.

```
        try {
                .... a bunch of code that might do something wrong
        } catch( ArrayIndexOutOfBoundsException, e ) {
                ... maybe should free all memory and start over because something
                ... is not as big as we thought it was
        } catch( IllegalAddressException, e ) {
                ... Humm, this is really bad, we might want to just exit,
                ... or do something more robust like completely restart.
        }
```

In the Java language, it is not possible for Java code to create a memory inconsistancy. You can mismanage memory and exhaust it, but you can't corrupt free memory or reference a 'bad pointer'. You can reference a 'null' pointer in Java and when you do this, the system throws a RuntimeException named NullPointerException.

```
        try {
                ... some code that mismanages a reference and dereferences a
                ... null object reference.
        } catch( NullPointerException ex ) {
                ... Make a note of the problem and restart this segment of
                ... the code some how.
        }
```

In Java, for any long lived Thead of execution, you should protect its life with a try/catch block that catches all exceptions and reports the errors for debugging purposes, and then attempts to restart the threads work with a clean slate.

What is at issue with WINAPRS is that memory is being mismanaged, and this is a fatal problem in C and C++ programs because you can't typically understand what is wrong with memory once your memory region has problems caused by buffer overruns or other memory management problems. The authors could add Exception handlers in their code and when there is an unhandled exception, they could catch it, but then what?

There is a certain interesting fact that WinAPRS could in fact be exploited by an over the airwaves virus in the form of a carefully crafted packet containing sufficient bytes to create new executable code within the application!

The real fix is for the authors to analyse the code and find the buffer overruns that seem to be occuring based on everyone reporting problems occuring on large packets.

The operating system has no bearing on the frequency of the problem and the only difference between win2K/NT vs win95/win98/winME is that the NT family runs applications completly within their own virtual memory space so that any memory overwrites or buffer overruns in user code result in the application being corrupted but not the system.

In the win9x family, you will see mixed results because there will be cases where a pointer can be crafted, with random byte values, that will point to a valid memory location in the system. It might be written to and corrupt system data structures. Typically, though, random pointers are outside of the memory address space allocated for virtual memory. The memory access hardware will fault the processor and the application will halt without having done any real damage.

I read in a trade rag many moons ago that Windows 95 has a different memory layout pattern for some parts of it (from windows 3/MSDOS), to specifically make it less likely that random pointers would overwrite important data structures.

To simply state the issue, WinAPRS has faulty code in it that does not guard against buffer overruns on large packets. The application will eventually crash because of this, on all versions of windows!

---
gregg@c2-tech.com (C2 Technologies Inc)

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67. [aprssig] USB

From: "Mike Paulin" <mpaulin@monad.net>
Date: Sat, 3 Feb 2001 23:45:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132802-2001.02.03-22.59.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings;

I need help and or suggestions regarding USB. My PC is one of the newer breeds with one 9 pin serial port and two USB ports. I have five pieces of equipment that all want to get hooked to that 9 pin serial port.

Will the Kantronics TNCs run through the USB port. How would I configure one or would it do it automatically. I would like to keep the wx station on the 9 pin serial and then try to get my other equipment to go through the USB.

What sources are there for 9 pin to USB converters. Kantronics did not have anything on their site concerning this (or I missed it).

Thanks for your help

Mike
N1MXJ

---

68. [aprssig] Re: USB

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sat, 3 Feb 2001 22:52:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-132803-2001.02.03-23.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> 9-pin serial to USB

I've got 3 on order from Cyberguys at $35 each, which was about the best price I was able to find.

My car will have a single USB cable coming out of the dash with the power for the computer, and the GPS and TNC will be connected via a built-in USB hub... Now that I have a computer that can do USB! B-)

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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---

69. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: RMckni8527@aol.com
Date: Sun, 4 Feb 2001 01:27:22 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-132821-2001.02.04-00.42.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/3/01 8:09:06 PM Pacific Standard Time,
gregg@skymaster.c2-tech.com writes:

> To simply state the issue, WinAPRS has faulty code in it that does not guard
> against buffer overruns on large packets. The application will eventually
> crash because of this, on all versions of windows!
>

BRAVO! So...

- This certainly can't be a revelation to the program authors... if it is,
we're in bigger trouble than we thought!

- How many revisions have they released since this problem was first
described on the SIG? I started with WinAPRS about 2.2.1, now it's at
2.4.7... Hmmmmm.

- There's good evidence that we know WHY the program crashes. Seems like a
fairly straightforward process to isolate the sections of code and squash the
bug.

Why have the Sproul''s been reluctant to say anything or offer any assurances
that they are working on it? In my recollection, they've almost never
commented on it except to say that it's a bug in Windows, not their
programming. On behalf of the registered users, I'd like to find out why in
over 3 years this problem still plagues the APRS community? It doesn't seem
unreasonable to ask that all development to add new features be suspended
until they can resolve this major bug.

But, that's just my humble opinion...

73's
Ray - WB3ABN
Kingston, WA

70. [aprssig] Re: USB

From: RMckni8527@aol.com
Date: Sun, 4 Feb 2001 01:27:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-132822-2001.02.04-00.42.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/3/01 8:48:29 PM Pacific Standard Time, mpaulin@monad.net
writes:

> I need help and or suggestions regarding USB. My PC is one of the newer
> breeds with one 9 pin serial port and two USB ports. I have five pieces of
> equipment that all want to get hooked to that 9 pin serial port.
>
> Will the Kantronics TNCs run through the USB port. How would I configure
> one or would it do it automatically. I would like to keep the wx station
> on the 9 pin serial and then try to get my other equipment to go through
> the USB.
>
> What sources are there for 9 pin to USB converters. Kantronics did not
> have anything on their site concerning this (or I missed it).
>
>

You've actually got more than one "problem" here.

1) Yes, you should probably connect the WX station to the one true serial
port on your computer, UNLESS, read on...

2) With FIVE serial devices, I will assume that at least a few require some
sort of software to view the data, talk to them, control them, etc. One of
the biggest headaches in the PC world is the legacy software that only
support COM1-COM4, sometimes even COM1 & COM2. It's hard coded into the
software, can't be changed, not even tricked like substituting a drive in
DOS. So, if you have THAT situation, you're hosed. You can add all the USB
serial ports you want, but they look like real serial ports to the software,
and have COM numbers assigned above COM 4, so no joy in Computerville.

3) In addition to Cyberguys, try USBSTUFF.COM, and CompUSA. CompUSA has
stores in most major cities, plus you can order online, they have a nice web
site with instant availability in each store, and usually are pretty
competitive Luckily, in the last year or so, the USB serial adapters have
dropped in price about 50%. But it's still an investment beyond the PC
itself to bridge the technology gap. Are most folks like you ready to plop
down another $150 to add 4 USB serial ports? I might just dig out that old
386/486 in the closet and dedicate it for a few ham applications instead. If
you ignore the internet hardware - sound card, joystick, MIDI, modem, etc -
you can usually put 4 serial ports in an older PC without much trouble.

4) Here's a novel idea - DISABLE the USB support in BIOS to reclaim those
IRQ's for an extra 2-port serial card! Just another option, unless all your
peripherals are USB, like keyboard/mouse...

Sometime, the latest technology actually causes more problems than it solves,

at least until it takes over and replaces the old stuff. FYI - I was ready
something the other day regarding the USB cable/connector specs - seems
hobbyists are NOT expected to solder their own USB connections, something
about really close tolerances and such. Seems like a conspiracy to force all
us hams who actually know HOW to use a soldering iron to buy ridiculously
overpriced USB cables. Geee - we can make CAT-5, CAT-6 and fiber
connections, how much closer are the USB tolerances? DUH! Kind of like the
$250 book that NMEA.ORG sells to describe a spec that we all need to use and
connect our gear....

Just some personal observations...

73's
Ray - WB3ABN
Kingston, WA

71. [aprssig] Re: Palm APRS

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 4 Feb 2001 22:03:03 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132827-2001.02.04-05.17.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Feb 03, 2001 at 02:57:33PM -0800, Byon Garrabrant wrote:
> The Palm is better because it is inherantly a serial device, where the Visor
> is a USB device. Since you will be wanting to interface with serial TNCs,
> you will most likely have better luck with the Palm. It can be done with the
> Visor, but it will be a no brainer with the Palm. You can even use the
> HotSync cradle that comes with the Palm. Just add a gender changer and
> null-modem adaptor, and possibly a DB9-DB25 adaptor (all available at
> Radio Shack), and hook it to your TNC.

I think the same is true of the Visor: get the serial cradle (standard
accessory), and add a null modem adapter. Or buy a serial cable from
www.markspace.com (mine's on order).

Then you can enjoy serial where you need it (eg connecting to the TNC
and GPS), and USB for HotSync. Syncing AvantGo! is much faster on
USB. I have the serial cradle as well so I can sync mine with NT4 at
work, as well as Windows 2000 at home.

And the Visor Deluxe and Platinum are both cheaper than the Palm Vx,
and have a faster CPU. They are a little bigger though.

Hamish, happy Platinum owner.
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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72. [aprssig] APRS DOS and Win98SE Comms tnx

From: "Mike Warner, N3XPD" <mdwarner@paonline.com>
Date: Sun, 4 Feb 2001 6:34:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132830-2001.02.04-06.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all who responded to my question about windows comm ports and
APRS DOS. Moving the APRS KPC3+ and the Peet WX to comms 1 and 2 seems to
be the easiest and best fix. Unfortunately that means giving up my old
reliable DOS based HF rig control and packet cluster tnc that are now on
these ports. I guess I could switch over to some windows apps but so far
havent found any that waranted the change over cost in time or dollars. At
present I am evaluating my options but in any case it looks like I will
have to throw some money at it. Thanks again to all! Mike

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73. [aprssig] WinAPRS, Windows, UE & Competition

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 04 Feb 2001 08:09:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-132831-2001.02.04-07.23.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> To simply state the issue, WinAPRS has faulty code in
>> it that does not guard against buffer overruns on large
>> packets. The application will eventually crash because
>> of this, on all versions of windows!

Just like WinAPRS, UI-View (http://www.peaksys.fsnet.co.uk) ...
... runs on MS Windows
... can be used in the APRS(tm) Amateur Radio service, much like
    WinAPRS

Unlike WinAPRS, UI-View (http://www.peaksys.fsnet.co.uk) ...
... is written to be used by several UI-Frame services (including:
    APRS[tm] and BEACONet[tm])
... has excellent help files that address program features, leaving
    APRS(tm)-specific and BEACONet-specific issues to their
    respective evangelists
... is written in such a way that other programmers can write
    "plug-ins" so that the core-code may remain sound while less-
    popular, but needed features may be written by others without
    bloating the code
... does not experience Unhandled Exception Errors
... has an author that responds to inquiries about his product
    (even though his registration fee is a lousy US$15)

Oh yes...in case you missed it, you can download UI-View at:
http://www.peaksys.fsnet.co.uk

Ev Tupis, W2EV
UI-View Registered User
WinAPRS Registered non-User

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74. [aprssig] Re: USB

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 04 Feb 2001 08:09:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-132833-2001.02.04-07.27.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>4) Here's a novel idea - DISABLE the USB support in BIOS to reclaim those
>IRQ's for an extra 2-port serial card! Just another option, unless all your
>peripherals are USB, like keyboard/mouse...

Over 18 months ago, I contacted the sprouls about a device I had designed
and built, that would allow up to eight devices to be connected to a single
serial port, with a single interrupt. It would, of course, require them to
write in support for it in WinAPRS.   They promised to do so.

I'm still waiting.
Every time I contact them, I'm told that they really want to do this, and
they will have it in a couple of weeks.

--
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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75. [aprssig] Map Editors

From: "Michael Francoeur" <n1naf@mint.net>
Date: Sun, 4 Feb 2001 08:55:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132836-2001.02.04-08.07.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looking for a windows map editor to work on *.map files for Windows and
Macs. What is available and does an does a downloadable *.exe exist?

- Mike/N1NAF

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76. [aprssig] Re: USB

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Sun, 04 Feb 2001 07:14:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132838-2001.02.04-08.33.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:52 PM 2/3/01 -0600, Jeff Brenton blasted the following out into the
ether:
> > 9-pin serial to USB
>
>I've got 3 on order from Cyberguys at $35 each, which was about the best
>price I was able to find.

      Does this gizmo allow more than one serial device on each? Or do you
need one of these for EACH serial device? I've seen a device by Belkin
(about $50) that only allows ONE serial device per.

      Thanks,
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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77. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sun, 4 Feb 2001 08:48:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132846-2001.02.04-09.02.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gregg,

On Saturday, February 03, 2001 10:06 PM, Gregg G. Wonderly
[SMTP:gregg@skymaster.c2-tech.com] wrote:
>
> >I have only had 1 Unhandled exception since changing to Win2k. It was =
> >while in the IGate + VHF mode.
>
> Just so everyone really understands what an unhandled exception means...
SNIP

> What is at issue with WINAPRS is that memory is being mismanaged, and this is
> a fatal problem in C and C++ programs because you can't typically understand
> what is wrong with memory once your memory region has problems caused by
> buffer overruns or other memory management problems. The authors could add
> Exception handlers in their code and when there is an unhandled exception,
> they could catch it, but then what?

Your statement implies that all C and C++ programs may fail if memory is
mismanaged. There are many thousands of C and C++ applications that properly
handle such exceptions gracefully and continue to operate. Memory mismanagment
does not cause a fatal problem in a properly designed application. The
development language is not the issue. I develop applications in Borland
Delphi (Pascal) and do not particularly like C, C++ or Java. A poorly designed
application will likely fail, no matter what language is used. Generally, the
craftsman is at fault, not the tool.

WinAprs is compiled with CodeWarrior. Mark Sproul told me that executable code
size increased by 20% when exception handling was included in WinAprs. He
stated that he chose not to include exception handling for this reason.
Therefore, IMO, the unhandled exceptions experienced by WinAPRS are not caused
by the development language, compiler, or operating system.

> There is a certain interesting fact that WinAPRS could in fact be exploited
by
> an over the airwaves virus in the form of a carefully crafted packet
> containing sufficient bytes to create new executable code within the
> application!

Interesting statement. How would this be accomplished?

WinAprs may crash when overly large packets are received due to insufficient
buffer allocation. The proprosed virus would have to less than 250 bytes or
so, and would have to replace existing executable code in memory.

WinAprs parses incoming packets to determine what action must be taken to
process APRS packets. Packets that are not of expected types are rejected.
 Therefore, the proposed virus would have to be placed in the body of the
packet. Testing has shown that payloads over 134 bytes may cause WinAprs to
crash.

Now the proposed virus would have to replace existing executable code with the
contents of the buffer. Are you saying that an exception would permit you to
perform this action? I don't think so.

IMO, there is absolutely no possibility of an over the airwaves packet
containing a virus being implanted within the currently executing WinAprs
session.

Bill KC9XG

SNIP
> gregg@c2-tech.com (C2 Technologies Inc)
>

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78. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sun, 04 Feb 2001 09:36:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132847-2001.02.04-09.50.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Gregg,
>
>On Saturday, February 03, 2001 10:06 PM, Gregg G. Wonderly
>[SMTP:gregg@skymaster.c2-tech.com] wrote:
>>
>> >I have only had 1 Unhandled exception since changing to Win2k. It was =
>> >while in the IGate + VHF mode.
>>
>> Just so everyone really understands what an unhandled exception means...
>SNIP
>
>> What is at issue with WINAPRS is that memory is being mismanaged, and this i
 s
>> a fatal problem in C and C++ programs because you can't typically understand
>> what is wrong with memory once your memory region has problems caused by
>> buffer overruns or other memory management problems. The authors could add
>> Exception handlers in their code and when there is an unhandled exception,
>> they could catch it, but then what?
>
>Your statement implies that all C and C++ programs may fail if memory is
>mismanaged.

In C or C++, depending on whether the stack grows up or down on the processor,
one might have the following declarations in a function/method.

void func(char *arg1, int arg2) {

```
        char buf[50];
        int i;

        /* Make a copy of the packet for our use */
        memcpy( buf, arg1, arg2 );

        /* Handle the data */
        ....

        ...

        return;
}
```

Now if arg2 is > 50, some of the contents of memory pointed to by arg1 are going to be copied into memory, on the stack, beyond the region specified by the dimensions of 'buf'. Now, if you have an environment that can do bounds checking, then an exception would be thrown on the memcpy call and all would be well. But if not, then the exploit is simple...

You make the data pointed to by arg1 sufficently long that it overwrites the frame pointers and return address that are on the stack. You also put into the buffer the correct instructions to carry out the exploit that you wish to execute.

This is all possible if the code is written as above (in any application whose language allows direct access to memory without also providing range checks).

I don't know anything about the code structure of the application to know whether there is sufficient buffer space to achieve any particular exploit. I am only suggesting that this might be possible, and is yet another reason to be concerned about the application.

My main point was to make sure people didn't all go upgrade to win2k thinking that it would solve the problem with winAPRS crashing with an unhandled exception.

>WinAprs is compiled with CodeWarrior. Mark Sproul told me that executable code
>size increased by 20% when exception handling was included in WinAprs. He
>stated that he chose not to include exception handling for this reason.

And hence, he may not have code in place to do range checking and this could further the opportunity to exploit the code over the air...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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79. [aprssig] Re: USB

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sun, 4 Feb 2001 09:33:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-132852-2001.02.04-09.56.00--lyris.aprssig#tapr.org@lists.tapr.org>
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>Does this gizmo allow more than one serial device on each?

No, these are single serial port to USB adapters. Multiport devices are more expensive per port (usually!), although I did find a device at CDW.com that offered 4 serial ports for $140.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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80. [aprssig] Crazy ideas.

From: Alex <kg4ecv@earthlink.net>
Date: Sun, 04 Feb 2001 10:57:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132858-2001.02.04-10.14.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm probably going to be (virtually) killed for this idea...

Hearing so many complaints about the Unhandled Exceptions, other bugs
and grievances about WinAPRS, and the Sprouls apparently not having the
time to work on it, why don't we buy the source from them and then open
it up to the public under GPL as a gift to the APRS community? I'm sure
there are plenty of programmers (me included) who are willing to spend
their spare time working on it. Of course, a lot of people will dismiss
this idea right away for various reasons. Perhaps if people who already
paid $60 are willing to pay another (small) amount to buy the source
collectively, maybe we could raise enough money to purchase the source.
(Yes, I do understand that they have to be willing to sell in the first
place.)

I'm sure the wish list that the Sprouls have is longer than they can
address within a reasonable time frame, and I'm sure that they get
enough complaints than they care for. Maybe this way we can offer some
relieve to them of some of this.

Just a crazy idea...

73s,
--Alex

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81. [aprssig] Amega computers

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 4 Feb 2001 11:06:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132860-2001.02.04-10.20.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
someone has stepped up to offer to write an APRS for it. I cant see
investing the time, but he claims the Amega has a pretty good sized cult
following....

I dont want to see us debate the value of old computers, but if there is
anyone that can corroborate the above opinion, Id like to hear from them.

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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82. [aprssig] Re: Crazy ideas.

From: Gerry Paquette <ve2aw@amsat.org>
Date: Sun, 04 Feb 2001 11:13:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132861-2001.02.04-10.34.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not such a crazy idea Alex but why not give UI-View a try? I have, and
have switched, and won't ever look back. It sure is a fine piece of

software which WORKS; never experienced a single "Unhandled Exception".
Support is great and so is documentation and + + +

UI-View is a real blessing to the APRS community!

Alex wrote:
>
> I'm probably going to be (virtually) killed for this idea...
>
> Hearing so many complaints about the Unhandled Exceptions, other bugs
> and grievances about WinAPRS, and the Sprouls apparently not having the
> time to work on it, why don't we buy the source from them and then open
> it up to the public under GPL as a gift to the APRS community?
--
Gérard (Gerry) Paquette
Modérateur: http://APRS_QC@yahoogroups.com
Page personnnelle: http://www.geocities.com/CapeCanaveral/Hangar/4765/

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83. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Joel Maslak <jmaslak@antelope.net>
Date: Sun, 4 Feb 2001 09:25:46 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132862-2001.02.04-10.35.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 4 Feb 2001, Bill Diaz wrote:

> WinAprs may crash when overly large packets are received due to insufficient
> buffer allocation. The proprosed virus would have to less than 250 bytes or
> so, and would have to replace existing executable code in memory.

Forget to add carriage returns on the end of your packets, and then
send them multiple packets really fast... Or, send a really large
Internet packet...

--
Joel Maslak
N7XUC

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84. [aprssig] APRS x IRC

From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
Date: Mon, 29 Jan 2001 14:36:16 -0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132863-2001.02.04-10.50.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How I can chat with users in IRC channel, using Winaprs or other client? Is
this possible?
Thanks.
Alex, PT2VHF
BRAZIL

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85. [aprssig] GPS data plug

From: "John Becker" <molou@big-river.net>
Date: Sun, 4 Feb 2001 10:44:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132866-2001.02.04-10.58.11--lyris.aprssig#tapr.org@lists.tapr.org>
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Late last year I ordered a power-data plug for the GPS that I have.
now I can't find the papers that came with it nor the website
that has the information.

Any help?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

86. [aprssig] RE: Crazy ideas.

From: "Cap Pennell" <cap@cruzio.com>
Date: Sun, 4 Feb 2001 08:57:47 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132867-2001.02.04-11.11.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Hearing so many complaints about the Unhandled Exceptions, other bugs
> and grievances about WinAPRS, and the Sprouls apparently not having the
> time to work on it, why don't we buy the source from them and then open
> it up to the public under GPL as a gift to the APRS community? I'm sure
> there are plenty of programmers (me included) who are willing to spend
> their spare time working on it.

I don't think this is a crazy idea. It's so very unfortunate that WinAPRS
is no longer improving. Wouldn't it be grand if there was a Windows version
of APRS that combined the best parts of APRSdos, APRS+SA and WinAPRS?
I'm in favor.
73, Cap KE6AFE

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

87. [aprssig] Re: GPS data plug

From: Gerry Paquette <ve2aw@amsat.org>
Date: Sun, 04 Feb 2001 12:04:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132869-2001.02.04-11.20.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You are not providing much background information John; if by any chance
your GPS is a Garmin, check the following url: http://pfranc.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

88. [aprssig] Re: GPS data plug

From: "John Becker" <molou@big-river.net>
Date: Sun, 4 Feb 2001 11:12:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-132870-2001.02.04-11.26.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

that was it Gerry.

tnx.

> You are not providing much background information John; if by any chance
> your GPS is a Garmin, check the following url: http://pfranc.com/
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

89. [aprssig] APRS Project one of 100 chosen for LINUX Contest

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Sun, 4 Feb 2001 12:16:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132871-2001.02.04-11.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the http://embedded.linuxjournal.com web site.... you can find the
following as one of the 100 projects that will be receiving equipment and
software...

More specifically:

The results are in and the finalists are announced. Congratulations are in
order to the following 100 finalists in Embedded Linux Journal's "Win a
MZ104" contest, sponsored by ZF Linux.
Drum-roll please....

Jay Sissom: Portable APRS Digipeater Server
This protocol uses radio modems and GPS systems to transmit and receive
positions. APRS equipment can be placed in ambulances or other mobile
vehicles. Without a digipeater, these signals are limited in range. A
digipeater will receive the positions and rebroadcast them to increase the
range. There already is digipeating software for the Linux operating system,
but there is a need for portable digipeaters that can be operated from solar
power or battery power in the field.

Congrats Jay......

ALOHA
AH6LS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

90. [aprssig] Re: Crazy ideas.

From: "Jim Oleson KB0OIJ" <kb0oij@olesonsplace.com>
Date: Sun, 4 Feb 2001 10:13:31 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132879-2001.02.04-12.23.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can you post a link to this software?

Thanks.

-----Original Message-----
From: bounce-aprssig-22205@lists.tapr.org
[mailto:bounce-aprssig-22205@lists.tapr.org]On Behalf Of Gerry Paquette
Sent: Sunday, February 04, 2001 8:14 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Crazy ideas.

Not such a crazy idea Alex but why not give UI-View a try? I have, and
have switched, and won't ever look back. It sure is a fine piece of
software which WORKS; never experienced a single "Unhandled Exception".
Support is great and so is documentation and + + +

UI-View is a real blessing to the APRS community!

Alex wrote:
>
> I'm probably going to be (virtually) killed for this idea...
>
> Hearing so many complaints about the Unhandled Exceptions, other bugs
> and grievances about WinAPRS, and the Sprouls apparently not having the
> time to work on it, why don't we buy the source from them and then open
> it up to the public under GPL as a gift to the APRS community?
--
Gérard (Gerry) Paquette
Modérateur: http://APRS_QC@yahoogroups.com
Page personnnelle: http://www.geocities.com/CapeCanaveral/Hangar/4765/

You are currently subscribed to aprssig as: kb0oij@olesonsplace.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

91. [aprssig] Re: Crazy ideas.

From: Gerry Paquette <ve2aw@amsat.org>
Date: Sun, 04 Feb 2001 13:34:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132880-2001.02.04-12.50.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I by no means claim to be a UI-View expert but I am a happy user!
Ui-View does support some weather stations but I suggest you check with
the author of the program(G4IDE)if you wish to have further details. I
am willing to bet you will get a very prompt response to your queries..

The software is available on several sites, however here is url for
Roger's (G4IDE) site: http://www.packetradio.org.uk/   Should you wish
to look into this a little further, join the Support and Discussion
Group at the following url: http://groups.yahoo.com/group/ui-view

- Gerry

Jim Oleson KB0OIJ wrote:
>
> Can you post a link to this software?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

92. [aprssig] Re: Crazy ideas.

From: "Keith Maton" <feeklist@btinternet.com>
Date: Sun, 4 Feb 2001 18:38:12 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132881-2001.02.04-12.52.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

UI-View is at http://www.packetradio.org.uk

73

Keith
--
Keith Maton, G6NHU
feek@bigfoot.com
Visit http://www.mb7uiv.co.uk, home of the first licenced APRS gateway in
the UK.
   - Careful with that Axe

-----Original Message-----
From: bounce-aprssig-20164@lists.tapr.org
[mailto:bounce-aprssig-20164@lists.tapr.org]On Behalf Of Jim Oleson
KB0OIJ
Sent: 04 February 2001 18:14
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Crazy ideas.

Can you post a link to this software?

Thanks.

-----Original Message-----
From: bounce-aprssig-22205@lists.tapr.org
[mailto:bounce-aprssig-22205@lists.tapr.org]On Behalf Of Gerry Paquette
Sent: Sunday, February 04, 2001 8:14 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Crazy ideas.

Not such a crazy idea Alex but why not give UI-View a try? I have, and
have switched, and won't ever look back. It sure is a fine piece of
software which WORKS; never experienced a single "Unhandled Exception".
Support is great and so is documentation and + + +

UI-View is a real blessing to the APRS community!

Alex wrote:
>
> I'm probably going to be (virtually) killed for this idea...
>
> Hearing so many complaints about the Unhandled Exceptions, other bugs
> and grievances about WinAPRS, and the Sprouls apparently not having the
> time to work on it, why don't we buy the source from them and then open
> it up to the public under GPL as a gift to the APRS community?
--
Gérard (Gerry) Paquette
Modérateur: http://APRS_QC@yahoogroups.com
Page personnnelle: http://www.geocities.com/CapeCanaveral/Hangar/4765/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

93. [aprssig] Re: USB

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 04 Feb 2001 14:52:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-132890-2001.02.04-14.09.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 AM 2/4/01 -0600, Jeff Brenton wrote:
> >Does this gizmo allow more than one serial device on each?
>
>No, these are single serial port to USB adapters. Multiport devices are more
>expensive per port (usually!), although I did find a device at CDW.com that
>offered 4 serial ports for $140.

Ok..

There's this device, lying idle for lack of supporting software in APRS
platforms, which will let you have up to eight serial ports, and requires
only a common serial port on the laptop. It also allows you to pipe data
between devices, like from TNC to GPS for example, to make the waypoints
show up. I also provide power on the connectors, so that you can have a
single cable to each device.

Anyone interested in supporting it?
I don't know costs, but definitely less than a comparable USB solution.

I've had some feelers recently, and you know who you are.
I see no reason that it couldn't be included into any APRS package.

--
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

94. [aprssig] RE: Amega computers

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Sun, 4 Feb 2001 15:32:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <LYR842-132896-2001.02.04-14.44.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob

The AMIGA has more than a cult following.... and a couple of new versions
are soon to hit the street....

In it's new guise... it's more like OSX or LINUX than it's original OS...

Just go to http://www.amiga.com and learn more !!!!

ALOHA
AH6LS

> ----------
> From: Bob Bruninga[SMTP:bruninga@usna.edu]
> Subject: [aprssig] Amega computers
>
> I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
> someone has stepped up to offer to write an APRS for it. I cant see
> investing the time, but he claims the Amega has a pretty good sized cult
> following....
>

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95. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "John L. Place" <jplace@sc.rr.com>
Date: Sun, 04 Feb 2001 15:35:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132897-2001.02.04-14.49.11--lyris.aprssig#tapr.org@lists.tapr.org>
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We heard from UI-VIEW how about APRS+SA?

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96. [aprssig] Re: Amega computers

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 5 Feb 2001 08:22:11 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132902-2001.02.04-15.36.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 04, 2001 at 03:32:00PM -0500, Sadowski, Allan wrote:
> The AMIGA has more than a cult following.... and a couple of new versions
> are soon to hit the street....

They've been saying that for years...

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

97. [aprssig] UI-View Questions

From: "Michael Francoeur" <n1naf@mint.net>
Date: Sun, 4 Feb 2001 16:41:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132907-2001.02.04-15.53.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

1) What other map formats does UI-View support?
        a) Can the *.map files out there for WinAPRS&MacAPRS be used?
        b) Can precision map cd be used?
        c) What about street atlas?

2) What wx stations are supported?
        Looked at the docs and wasn't clear about automatic wx station operation.
        Would be nice to know what is supported and how to interface.
        I'm using Peet Brothers U2K

3) What about NWS style zone and county hi-lighting for affected areas?

Lets have an honest discussion about these capabilities and then I might
consider switching software ;-)

- Mike/N1NAF

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98. [aprssig] Re: Amiga computers

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 04 Feb 2001 16:07:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132911-2001.02.04-16.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:06 AM 2/4/01, Bob Bruninga wrote:

>I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
>someone has stepped up to offer to write an APRS for it. I cant see
>investing the time, but he claims the Amega has a pretty good sized cult
>following....

This from a man still developing DOS applications...   :)

They do have a good following and the Amiga may be reborn this year.

The Amiga was actually a computer way ahead of it's time. In fact, Gateway
Computers purchased the entire lot of Commodore patents in 1997 (12 years
after the Amiga was released).   It was thought that the Amiga would become
the platform for Gateway's Web Appliance and they even released a new OS
(3.9) shortly after aquiring the hardware rights.   At some point in time
about 2 years ago, Gateway decided the Amiga processor wan't sufficient to
power a web pad or set top box. At that time the Amiga rights were sold to
a group consisting largely of former Gateway employees.

About 14 months ago Gateway opted to go with the Crusoe processor for their
Webpad and brought Linus Torvalds onboard.   Unfortunately, design by
committe reared it's ugly head and the "Gateway Connected Touch Pad" is the
result.   The initial incarnation was supposed to be an 11 mbps 802.11
wireless battery-operated device you could carry around the house and then
return it to a charging cradle when needed and used with any ISP.   There
was even some talk about a deal with Digital Convergence and a CueCat
scanning wand in there.   Supposedly you could take your Gateway with
scanner to the grocery store...

Instead it is just a wired-up dumbed-down $500 computer terminal that you
have to use with AOL (at $21.95 per month).   The only wireless part now is
the IR Airboard Keyboard.

You are better off buying an eMachines PC, IMHO.   Sam's Club was selling a
complete eMachines PC with 15" monitor for $599 and none of those inane
rebates were required.

See: http://www.e4me.com

Amiga announced in October of 2000 they were going to release a new version
of the Amiga called the AmigaOne.   So far it appears to be vaporware as
the release date gets pushed farther and farther back. They are now saying
that the computer will not ship until Q3 of 2001.   Actually they will not
be producing the hardware themselves, just licensing the technology to
"hardware partners." (Oh boy, another one of THOSE companies...)

I no longer no what's going on inside Amiga, since my Gateway contacts have
left the company. Bill McEwan and Fleecy Moss are also now gone, I believe
both were fired.

See: http://www.amiga.com/

The web site hasn't seen an update in ages, which I think indicates the
health of the company.

73,

Mark
KC7BXS
Compukota Computer Solutions
former Commodore owner
former Gateway employee

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

99. [aprssig] Re: APRS Project one of 100 chosen for LINUX Contest

From: Alex <kg4ecv@earthlink.net>
Date: Sun, 04 Feb 2001 19:56:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-132922-2001.02.04-19.13.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a link to a paper by him, or anything that describes the
product?

Thanks and 73,
--Alex

"Sadowski, Allan" wrote:
>
> At the http://embedded.linuxjournal.com web site.... you can find the
> following as one of the 100 projects that will be receiving equipment and
> software...
>
> More specifically:
>
> The results are in and the finalists are announced. Congratulations are in
> order to the following 100 finalists in Embedded Linux Journal's "Win a
> MZ104" contest, sponsored by ZF Linux.
> Drum-roll please....
>
> Jay Sissom: Portable APRS Digipeater Server
> This protocol uses radio modems and GPS systems to transmit and receive
> positions. APRS equipment can be placed in ambulances or other mobile
> vehicles. Without a digipeater, these signals are limited in range. A
> digipeater will receive the positions and rebroadcast them to increase the
> range. There already is digipeating software for the Linux operating system,
> but there is a need for portable digipeaters that can be operated from solar
> power or battery power in the field.
>
> Congrats Jay......
>
> ALOHA
> AH6LS
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

100. [aprssig] RE: Amega computers

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 4 Feb 2001 17:24:26 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132928-2001.02.04-19.38.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The m68k port of Linux will run on Amigas. I checked one of the Debian
ftp sites and there exists a package of aprsd for the m68k. Possibly
xastir and will can be compiled on this platform as well.

Bob N7XY

On Sun, Feb 04, 2001 at 03:32:00PM -0500, Sadowski, Allan wrote:
> Bob
>
> The AMIGA has more than a cult following.... and a couple of new versions
> are soon to hit the street....
>
> In it's new guise... it's more like OSX or LINUX than it's original OS...
>
> Just go to http://www.amiga.com and learn more !!!!
>
> ALOHA
> AH6LS
>
> > ----------
> > From: Bob Bruninga[SMTP:bruninga@usna.edu]
> > Subject: [aprssig] Amega computers
> >
> > I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
> > someone has stepped up to offer to write an APRS for it. I cant see
> > investing the time, but he claims the Amega has a pretty good sized cult
> > following....
> >
>
> ---
> You are currently subscribed to aprssig as: nielsen@oz.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Bob Nielsen, N7XY   nielsen@oz.net
Bainbridge Island, WA   http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

101. [aprssig] RE: Crazy ideas.

From: Skip Allison <sallison@megsinet.net>
Date: Sun, 04 Feb 2001 21:33:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132942-2001.02.04-21.48.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd like to see a WinAPRS type program that uses something other than
PM. Has anybody approached Rand McNally? There are also other mapping
companies. Since Delorme and Chicago Mapping seem to be difficult to
deal with. I don't understand that since APRS is promoting the sale of
their product.

Skip
K9SA

Cap Pennell wrote:
>
> > Hearing so many complaints about the Unhandled Exceptions, other bugs
> > and grievances about WinAPRS, and the Sprouls apparently not having the
> > time to work on it, why don't we buy the source from them and then open
> > it up to the public under GPL as a gift to the APRS community? I'm sure
> > there are plenty of programmers (me included) who are willing to spend
> > their spare time working on it.
>
> I don't think this is a crazy idea. It's so very unfortunate that WinAPRS
> is no longer improving. Wouldn't it be grand if there was a Windows version
> of APRS that combined the best parts of APRSdos, APRS+SA and WinAPRS?
> I'm in favor.
> 73, Cap KE6AFE
>
> ---
> You are currently subscribed to aprssig as: sallison@megsinet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

102. [aprssig] RE: Amega computers

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 4 Feb 2001 19:40:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132943-2001.02.04-21.54.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 04, 2001 at 05:24:26PM -0800, Bob Nielsen wrote:
> The m68k port of Linux will run on Amigas. I checked one of the Debian
> ftp sites and there exists a package of aprsd for the m68k. Possibly
> xastir and will can be compiled on this platform as well.

That last line should have read:

> other apps, such as xastir and aprsdigi can be compiled on this
> platform as well.

Bob N7XY

--
Bob Nielsen, N7XY   nielsen@oz.net
Bainbridge Island, WA   http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

103. [aprssig] Re: Cheap ROtor Controller

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 4 Feb 2001 22:54:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132944-2001.02.04-22.07.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm catching up on my reading.... why not program a PIC chip to watch the
same serial port that controls the TNC... and ignore everything that doesn't
look like a command for the rotator. If you wanna send a command to the
rotator, put the TNC into command mode by sending a CNTRL C, then send a
command to make the PIC chip move the rotator. The TNC will not understand
the command, and will simply respond with EH?. After you have issued the
command to the rotator, put the TNC back into Konverse mode.

and for what it's worth, I *really* like the SIMPLE rotator control idea
that Bob is working on.... it will work for 99% of the satellite people....
and on 1000's of old PCs!

Anyone wishing to accmoplish the same thing in Windoze environment should
just run WinAPRS and run WINorb in the background.

PS, you can't wiggle parallel port bits in WinNT or win2000 in a DOS window.

Wes

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@primenet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 27, 2001 06:12
Subject: [aprssig] Re: Cheap ROtor Controller

> At 03:33 AM 1/27/01, WA8LMF1@aol.com wrote:
>
> >On the other hand, I find that
> >WINDOWS apps using HP's chronically buggy drivers for recent inkjets
print
> >far faster and more reliably through the USB interface than they did
through
> >a real parallel port...
>
> Very true. As long as you can get the end user to actually read the
> installation instructions before trying to install the printer.   My mom
> even installed her HP812C USB printer without any assistance.   Now if we
> could just get printer makers to stop ripping people off with high-priced
> low-yield cartridges (that cost 1/3 to 1/2 the original price of the
printer).
>

> I know it's a little off topic, but before you buy that printer check the
> yield of the ink cartridges and their replacement cost. Suddenly that $89
> color printer may not look so attractive. Also remember that once opened
> most ink cart's have a life of 6 months or less for color and about a year
> for black.   And of course if your printer model is out of production
> those ink carts become harder and harder to find. I have not had much
luck
> with aftermarket refill kits.   OTOH I have had great luck with
> professionally recharged toner carts for laser jet printers.
>
> I only add this information for people trying to print screen shots of the
> APRS maps...   :)
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

104. [aprssig] RE: Crazy ideas.

From: "Rich Beckwith" <wn0x@earthlink.net>
Date: Sun, 4 Feb 2001 22:06:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132945-2001.02.04-22.19.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I inquired with RM about that several months ago. How does $15,000 sound,
thats 15 with 3 zeroes. Hard to believe huh?

>I'd like to see a WinAPRS type program that uses something other than
>PM. Has anybody approached Rand McNally? There are also other mapping
>companies. Since Delorme and Chicago Mapping seem to be difficult to
>deal with. I don't understand that since APRS is promoting the sale of
>their product.
>
>Skip
>K9SA
>
>Cap Pennell wrote:
>>
>> > Hearing so many complaints about the Unhandled Exceptions, other bugs
>> > and grievances about WinAPRS, and the Sprouls apparently not having the
>> > time to work on it, why don't we buy the source from them and then open
>> > it up to the public under GPL as a gift to the APRS community? I'm sure
>> > there are plenty of programmers (me included) who are willing to spend
>> > their spare time working on it.
>>
>> I don't think this is a crazy idea. It's so very unfortunate that
WinAPRS
>> is no longer improving. Wouldn't it be grand if there was a Windows
version
>> of APRS that combined the best parts of APRSdos, APRS+SA and WinAPRS?
>> I'm in favor.
>> 73, Cap KE6AFE
>>
>> ---
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>---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

105. [aprssig] RE: Crazy ideas.

From: "Byon Garrabrant" <byon@mail.com>
Date: Sun, 4 Feb 2001 20:30:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132946-2001.02.04-22.44.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >I'd like to see a WinAPRS type program that uses something other than
> >PM. Has anybody approached Rand McNally? There are also other
> >mapping companies. Since Delorme and Chicago Mapping seem to be
> >difficult to deal with. I don't understand that since APRS is
> >promoting the sale of their product.

What about writing some code to convert the public US Census
Bureau Tiger maps into something APRS can read? Mapopolis
has great street level maps derived from the Tiger Maps.

Byon
_____
 Byon Garrabrant   N6BG   byon@mail.com

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106. [aprssig] RE: Crazy ideas.

From: "Rich Beckwith" <wn0x@earthlink.net>
Date: Sun, 4 Feb 2001 22:57:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132948-2001.02.04-23.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The hardest part about decoding Tiger files is their size. I have about 5
counties I am playing around with, they consume a whopping 20 MB of disk
space. The vector data is easy to get to, but a bit of a challenge when
"filtering" for what you want.

>> >I'd like to see a WinAPRS type program that uses something other than
>> >PM. Has anybody approached Rand McNally? There are also other
>> >mapping companies. Since Delorme and Chicago Mapping seem to be
>> >difficult to deal with. I don't understand that since APRS is
>> >promoting the sale of their product.
>
>What about writing some code to convert the public US Census
>Bureau Tiger maps into something APRS can read? Mapopolis
>has great street level maps derived from the Tiger Maps.
>
>Byon
>_____
> Byon Garrabrant   N6BG   byon@mail.com
>
>---
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>

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107. [aprssig] RE: Crazy ideas.

From: "Jack Plum" <jackplum@servtech.com>
Date: Mon, 5 Feb 2001 00:39:24 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132951-2001.02.04-23.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have some New York Tiger files the Sprouls converted. The problem I have
is that the Tiger files are somewhat erroneous. I've forgotten what program
they used to convert them.

Additonally, does any know how to convert an Arcview shape file for use?
That one passed through the list a while back but it too has been lost in
the gray matter.

Jack

WX3P
wx3p@hotmail.com

----- Original Message -----
From: "Rich Beckwith" <wn0x@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, February 04, 2001 11:57 PM
Subject: [aprssig] RE: Crazy ideas.

> The hardest part about decoding Tiger files is their size. I have about 5
> counties I am playing around with, they consume a whopping 20 MB of disk
> space. The vector data is easy to get to, but a bit of a challenge when
> "filtering" for what you want.

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108. [aprssig] Re: UI-View Questions

From: "Eric & Marlene Reid" <reid@sympatico.ca>
Date: Mon, 5 Feb 2001 00:40:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132952-2001.02.04-23.56.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Michael and group,

I have run WinAPRS (registered) and added UI-View 32-bit version to
my complement of software in August of last year. It is important to note
the 32 bit version has to have a registration number before it will run. So
do not download it unless you intend on obtaining a registration code from
the author Roger Barker.

A 16-bit version is available and runs quite well on any Windows operating
platform. There are features not found on the16-bit programme that you will
find on a 32 bit version. I stress not available, the 16-bit programme is
not crippled.

From: Michael:
> 1) What other map formats does UI-View support?

UI-View directly supports maps in bitmap format (GIF or BMP). So
any scanned map, arial photo and the like will work fine.
If you are comfortable with an image photo editor and have basic map
knowledge you can have a lot of fun creating your own personized maps.

> a) Can the *.map files out there for WinAPRS&MacAPRS be used?

No. I believe these maps are created by using a vector/fill CAD type
programme and the engine to decode these maps is not part of UI-View.

> b) Can precision map cd be used?

I am not familiar with precision map. But I am sure I can say no.

> c) What about street atlas?

UI-View does have a built-in SA Map grabber. Again I do not have
privy to that CD. A friend of mine in Alabama tells me the SA map
grabber in the 32-bit version of UI-view works great.

Roger does allow third-party add-ons. One such utility is written by

Andy Pritchard that allows about a dozen map CD's to be interfaced
to UI-View and stations are displayed as pins.

> 2) What wx stations are supported?

The WX from any station can be displayed. If you intend to send WX a
programme from SkyView Weather Systems can be purchased and
intergrated with UI-View. The SkyView programme will only support
the WM-918 (WX-200) weather stations. I use the SkyView software.
There is also a software package available from another company.
Please, can someone help me with the name of the company?
The software they sell does support most weather stations (Peet included)
and does work with UI-View.

> 3) What about NWS style zone and county hi-lighting for affected areas?

No. That does not mean it could not be done. Roger has made software
'handles' available for programmers wishing to add feature to his programme.

> Lets have an honest discussion about these capabilities and then I might
> consider switching software ;-)

There are many capabilities built in to UI-View, almost too many for me
to mention. I think it is Roger's intent to compliment other APRS
programmes in everyway that is sensibly possible.

He does follow the APRS protocol set out by the Working Group and is
a member of this [aprssig] group.

Internet has posed me no problems for my limited use. UI-View can support
any TNC in the KISS mode which allows more flexibility of a station as
either digipeater or simple relay.

In the honesty department. I do miss the weather graphs that WinAPRS
created from other weather stations. At times, I miss the dynamic map sizing
available only with vector/fill type maps, now I prefer the fixed map
arsenal
I have acquired.

I can not give a comparison to other APRS programmes that we all have
access too. I can assure everyone UI-View will fit in well with your
APRS neighbours.

Remember the APRS Survey 2000 http://w9if.net/cgi-bin/aprssurvey/main.pl ?
Check it out, UI-View ranked second in popular use.

Downloads of UI-View at: http://www.packetradio.org.uk

73 de Eric
ve3gsi@canada.com

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109. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 05 Feb 2001 00:22:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132966-2001.02.05-00.37.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:48 AM 2/4/01, Bill Diaz wrote:

>WinAprs is compiled with CodeWarrior. Mark Sproul told me that executable
>code
>size increased by 20% when exception handling was included in WinAprs. He
>stated that he chose not to include exception handling for this reason.
>Therefore, IMO, the unhandled exceptions experienced by WinAPRS are not
>caused
>by the development language, compiler, or operating system.
>

Maybe this is a naive question, but it seems some of the Sprouls' problems
(the UE and the Pmap 4.0 OCX) lie in difficulties with CodeWarrior (or so

I've been told). Could they switch to a different compiler?

Although the program with exception handling is 20% bigger, isn't stability
more desirable? WinAPRS becomes almost useless when the UE's come fast
and furious - and as I have noted in the past, there are a number of ways
to generate UE's when the program is not even receiving data from the 'net
or from a TNC just by searching for certain callsigns or doing mouse clicks
in a specific sequence.

Could they not release two versions - one with exception handling and one
without? Maybe an I-gate version with a reduced feature set? What about
all the other features promised or menu options that just don't work (like
fade to grey, station time-outs, and such)?

Oh well. As Dave Van Horn says, "Where are the Sprouls?" Perhaps we
could make that into a bumper sticker - like the "Free Kevin" ones...

73,

Mark
KC7BXS

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110. [aprssig] Re: Map Editors

From: "Alton" <n5psp@n5psp.org>
Date: Mon, 5 Feb 2001 01:35:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132974-2001.02.05-01.52.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4 Feb 01, at 8:55, Michael Francoeur wrote:

> Looking for a windows map editor to work on *.map files for Windows and
> Macs. What is available and does an does a downloadable *.exe exist?
>
> - Mike/N1NAF

I second the motion. I was asking about exactly such a critter (for
the Windows format maps, not the DOS ones, specifically to add
new roads that have been built and subdivisions and other changes
since the Skywarn county maps were generated.

I noticed that the DeLorme maps are also somewhat out of date for
some of the same areas.

That was about 5 years or so ago, maybe longer, as I recall
stumbling on some notes dating back to at least 1996.

Probably we will have to sit down and write our own.

I do know the map format is kinda finicky, where you have to have
some details of the number of vectors and points in the first part of
it that must tally properly with what is actually there.

It seems it would need to be a suite of tools, including the ability to
import things such as GPS tracks and convert them to roads, etc.
and have a graphical editing interface.

For example, the south extension of Loop 338 outside of Odessa,
TX (Ector County Skywarn map) has been completed since June of
1994. The southwest extension has been around since the late
1980s between south US 385 and west I-20.

It isn't on the county WinAPRS map at all.

Other examples - Several blocks of Lorraine Street in Midland were
closed, the pavement jackhammered up, and the resulting area
made into a sort of park. Other streets were removed to build a
school and lots of new streets and highways have been completed,
such as the loop 250 extension that replaced Holiday Hill Road.

I sort of added the Loop 338 extension by capturing $GPGGA
strings while driving the full length of the extension and then put

that file into the global label directory. It would be nice, nearly 7
years after that road was completed, to add it to the Ector county
map and be able to post the revised file somewhere.

Maybe we need to just sit down and write an editor and upload it
somewhere as a standalone *.exe program. I've got an obsolete
verion of Borland C++ Builder (I think ver 3) and need to upgrade to
handle the newer objects and stuff for Win98 and Me (and 2000).

Ideally it ought to display the map just like in WinAPRS with full
zoom and pan functionality, and permit you to define new points
either from actual GPS captures or by directly keying in (or
nudging) co-ordinates.

Ideally it should be fairly quick and painless to do something like
add a new road and optimize redundant data so it doesn't have
EVERY single GPS fix on a long straight stretch of road.

Also we need to put a label editing tool. I noticed that on many of
the Skywarn county maps that the labels read from bottom to top.
Ideally, where such a thing is hard to read, we need a tool in the
program that would let you click on the label and make it stream
along a reciprocal bearing (top to bottom, left to right) where
required.

Or we could write a power tool that would just find all the labels like
that and flip the directions they read, maybe if necessary fixing
existing features so they draw in the proper direction.

Anyway that's food for thought. Let's get to writing some code.

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111. [aprssig] Re: UI-View Questions

From: Roger Barker <roger@peaksys.co.uk>
Date: Mon, 5 Feb 2001 09:13:38 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-132982-2001.02.05-03.28.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-132952-2001.02.04-23.56.04--roger#peaksys.co.uk@list
s.tapr.org>, Eric & Marlene Reid <reid@sympatico.ca> writes
[snip]
>The WX from any station can be displayed. If you intend to send WX a
>programme from SkyView Weather Systems can be purchased and
>intergrated with UI-View. The SkyView programme will only support
>the WM-918 (WX-200) weather stations. I use the SkyView software.
>There is also a software package available from another company.
>Please, can someone help me with the name of the company?
>The software they sell does support most weather stations (Peet included)
>and does work with UI-View.

I'm not going to get involved in a "features war" discussion in this
list, because, after 20 years of writing software, one thing I have made
my mind up about is that features chasing is not the way to produce a
good product. However, I will comment on wx stations, because the way
they are supported in UI-View is completely different to other APRS
software:-

One important point about UI-View is that, wherever possible, it has an
open architecture. It is designed to easily interface to other software,
and offers both a DDE interface and an ActiveX interface (32 bit only)
for writers of plug-ins.

It supports wx stations by picking up a small file output by the wx
station software. There are some advantages to doing it that way -

1. If you spend good money on a wx station, you can run a full-featured
wx station program with it, you don't have to just make do with the
features included in your APRS software.

2. You don't need to rely on me to implement support for all the various
wx station hardware.

3. The wx station software doesn't need to be running on the same PC as

UI-View, it can be running on another PC on a network.

Recent versions of both Weather Display (http://www.weather-display.com)
and the Virtual Weather Station (http://www.ambientsw.com) output the
required file, and support a wide range of wx stations.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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112. [aprssig] Re: Amiga computers

From: Brian <n3vnx@qsl.net>
Date: Sun, 04 Feb 2001 20:48:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133000-2001.02.05-08.35.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:07 PM 2/4/2001, Mark Fellhauer wrote:
>At 10:06 AM 2/4/01, Bob Bruninga wrote:
>
>>I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
>>someone has stepped up to offer to write an APRS for it. I cant see
>>investing the time, but he claims the Amega has a pretty good sized cult
>>following....
>
>This from a man still developing DOS applications...   :)
   --the rest cut--

All that being said...I have two Amiga's setting around here collecting
dust somewhere. If I had a version of Aprs to run on them, I would probably
put a full time station on the air again. But, I would not even consider
spending the money to update the OS because I could probably pick up a 486
machine for much less then an OS upgrade, and run the dos version.

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113. [aprssig] Re: Map Editors

From: Alex <kg4ecv@earthlink.net>
Date: Mon, 05 Feb 2001 09:29:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133002-2001.02.05-08.39.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

A while back I wrote a tiny program to filter details of Windows/Mac
maps by color, and another one that merges maps. I think it leaves the
labels in tact too. Have to look at it since it has been a while. It
runs on DOS/DOSBOX and Linux (compiled with BCC and GCC). Those are just
tiny tools I once wrote for myself, not fancy at all. I'm more than
willing to donate the code if you want (provided that I can dig it up).
Perhaps it's a start, or you can just toss it out. It's up to you.

Wes Johnson wrote a program to incorporate tracks into maps I think. He
also wrote another program to merge maps if I'm not mistaken. Contact
him for info on that.

73s,
--Alex

Alton wrote:

<snip>

> Maybe we need to just sit down and write an editor and upload it
> somewhere as a standalone *.exe program. I've got an obsolete
> verion of Borland C++ Builder (I think ver 3) and need to upgrade to

> handle the newer objects and stuff for Win98 and Me (and 2000).

<snip>

>
> Anyway that's food for thought. Let's get to writing some code.

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114. [aprssig] Garden City et al?

From: Steve Bragg <steve@hamhud.net>
Date: Mon, 05 Feb 2001 08:41:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133008-2001.02.05-08.56.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe Dale Urban or some of the other Western KS guys can verify this.
I heard from one of the guys who's on the OKAPRS SIG that there is a new
digipeater in Western KS, maybe Garden City? Do I have that right?

Is western KS APRS finally off 145.01 and onto 144.390?

73,

Steve Bragg KA9MVA
Tulsa
```
--- __ __ ___   ____  __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
```
==========
Steve Bragg KA9MVA   ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: www.hamhud.net
Owasso, Oklahoma, USA   www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9

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115. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "James R. Saker Jr." <jsaker@pensat.com>
Date: Mon, 5 Feb 2001 09:01:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-133009-2001.02.05-09.13.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark KC7BXS writes:
>Although the program with exception handling is 20% bigger, isn't stability
more desirable?   WinAPRS becomes almost useless when the UE's come fast
and furious - and as I have noted in the past, there are a number of ways
to generate UE's when the program is not even receiving data from the 'net
or from a TNC just by searching for certain callsigns or doing mouse clicks
in a specific sequence.

Exactly! I have never seen WinAPRS (v2.4.7) run for more than 23 hours on
Win2K professional or server. Tried four different machines (one Compaq
Presario P350, one Compaq P350 Armada laptop, one generic Win2K server from
DFI base and parts, one Win2K workstation made from Dell heritage) - all end
up dying with:

The application, , generated an application error The error occurred on
02/03/2001 @ 22:12:19.111 The exception generated was c0000005 at address
00481897 (<nosymbols>)

type errors left in Event log/Apps (nothing on the screen of course. WinAPRS
is just gone).

> Could they not release two versions - one with exception handling and one
without? Maybe an I-gate version with a reduced feature set? What about
all the other features promised or menu options that just don't work (like
fade to grey, station time-outs, and such)?

With WinAPRS unusable and APRS+SA just not having the functionality I like,
either something needs to happen to help WinAPRS stabilize or an alternate
needs to come along. (And no, Xastir isn't that impressive either).

Has anyone had better luck with WinAPRS and Win2K?

Jamie Saker/K1JRS

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116. [aprssig] Re: Garden City et al?

From: "Ben Pollard" <ws5r@arrl.net>
Date: Mon, 5 Feb 2001 09:07:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133010-2001.02.05-09.16.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's true, saw GC W0MI in Garden City on my map yesterday, along with
Liberal, KS, Guymon, OK, and Gruver, TX. They still have a bit of work to do
on GC, before it moves to it's permanant location which will make it solid
into Liberal. I need to check the Pampa digi as that should get Gruver solid
into Amarillo and the rest of the world. So yes it is true a big APRS hole
in the west is being filled/

Ben
WS5R
> Maybe Dale Urban or some of the other Western KS guys can verify this.
> I heard from one of the guys who's on the OKAPRS SIG that there is a new
> digipeater in Western KS, maybe Garden City? Do I have that right?
>
> Is western KS APRS finally off 145.01 and onto 144.390?

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117. [aprssig] Re: Amiga computers

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 5 Feb 2001 07:37:07 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133015-2001.02.05-09.51.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So install Linux. It's free for the download or you can get CD-ROMs
for $5.00 or so.

On Sun, Feb 04, 2001 at 08:48:21PM -0500, Brian wrote:
> At 05:07 PM 2/4/2001, Mark Fellhauer wrote:
> >At 10:06 AM 2/4/01, Bob Bruninga wrote:
> >
> >>I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
> >>someone has stepped up to offer to write an APRS for it. I cant see
> >>investing the time, but he claims the Amega has a pretty good sized cult
> >>following....
> >
> >This from a man still developing DOS applications...   :)
>   --the rest cut--
>
> All that being said...I have two Amiga's setting around here collecting
> dust somewhere. If I had a version of Aprs to run on them, I would probably
> put a full time station on the air again. But, I would not even consider
> spending the money to update the OS because I could probably pick up a 486
> machine for much less then an OS upgrade, and run the dos version.

--
Bob Nielsen, N7XY   nielsen@oz.net
Bainbridge Island, WA   http://www.oz.net/~nielsen

IOTA NA-065, USI WA-028S

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118. [aprssig] Re: Map Editors

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 09:37:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133016-2001.02.05-09.51.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Alton,

On Monday, February 05, 2001 1:36 AM, Alton [SMTP:n5psp@n5psp.org] wrote:
> On 4 Feb 01, at 8:55, Michael Francoeur wrote:
>
> > Looking for a windows map editor to work on *.map files for Windows and
> > Macs. What is available and does an does a downloadable *.exe exist?
> >
> > - Mike/N1NAF

> I second the motion. I was asking about exactly such a critter (for
> the Windows format maps, not the DOS ones, specifically to add
> new roads that have been built and subdivisions and other changes
> since the Skywarn county maps were generated.

> I noticed that the DeLorme maps are also somewhat out of date for
> some of the same areas.

SNIP

> Probably we will have to sit down and write our own.

SNIP

> It seems it would need to be a suite of tools, including the ability to
> import things such as GPS tracks and convert them to roads, etc.
> and have a graphical editing interface.

The PMap 4.0 OCX permits you to hand draw new local streets, and import them at runtime. You can also trace existing streets in the PMap maps and export them as well. However, it does not permit you to add highways that display when zoomed out. Sure is a shame WinAprs was never upgraded to use the new OCX. In fact, WinAprs never used many of the mapping features available in PMap 3.x OCX.

The newly added PMap 4.0 OCX local street data is stored in external files. The Pmap 4.0 OCX could be used as a graphical editing interface to create files that could then be converted into other mapping formats.

> For example, the south extension of Loop 338 outside of Odessa,
> TX (Ector County Skywarn map) has been completed since June of
> 1994. The southwest extension has been around since the late
> 1980s between south US 385 and west I-20.
>

The 1995 tiger files (Pmap 3.x) would not have included this since the data was compiled during 1994. The 1997 Tiger files (Pmap 4.0) "should" include these changes. Many of the local street changes must be reported to the Census Bureau. Unfortunatley, this does not always happen in a timely fashion. During the recent census, each municipality, and other governmental bodies were given the opportunity to review the mapping data, and submit changes and corrections. Hopefully, this information was submitted for your area, and incorporated into the Tiger files.

It is not practical to attempt to correct every error on Tiger maps. The errors you indicated are for only a very small area of the country. Virtually every area has similar errors. The 2000 Tiger files should be more up to date due to the 2000 census effort but will surely have errors and omissions due to the extremely high volume of data.

Most of the currently available commercial mapping products used the Tiger files for the base mapping data. Etak and others have implemented corrections, and improvements. However, the cost to license this improved data is extremely high. One vendor who has high quality maps requires a $200,000 licensing fee, and others start at $5,000 and up for a single seat license. Each of these

products has numerous errors, and may not include all streets and highways in your area. Maps for the entire country may be stored on multiple CD's. Each CD may require a seperate licensing fee.

SNIP

Bill KC9XG

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119. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: "Ben Miller" <benm@uniplex.com>
Date: Mon, 5 Feb 2001 09:46:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133017-2001.02.05-09.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well as long as everyone is venting, allow me to as well. I registered WinAPRS at just the time when the last release (2.4.7) came out. I was very impressed with the product and the committment to development the Sprouls had. Well here we are... I've received UE's from not only internet but fromVHF as well. I don't have the time to babysit or troubleshoot the problem. I used WinAPRS for the features and wish something could be done to continue development and bug fixing.

What really burns me up is paying the registration and then find out it doesn't work so now I have to pay to register another product to do SOME of the things I originally paid for.

My appeal to the Sprouls:

Please get back to work on WinAPRS or release it to public domain so that we can get on with it.

Thanks for allowing my rants. I feel a little better...

Ben Miller
KC5NFU
Vice President - Rockwall Amateur Radio Club
Rowlett Texas RACES Weather Officer

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120. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 10:53:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133021-2001.02.05-10.08.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am now back to work on WinAPRS, and expect to put up a new version today.

Mark

At 9:46 AM -0600 2/5/01, Ben Miller wrote:
>Well as long as everyone is venting, allow me to as well. I registered
>WinAPRS at just the time when the last release (2.4.7) came out. I was very
>impressed with the product and the committment to development the Sprouls
>had. Well here we are... I've received UE's from not only internet but
>fromVHF as well. I don't have the time to babysit or troubleshoot the
>problem. I used WinAPRS for the features and wish something could be done
>to continue development and bug fixing.
>
>What really burns me up is paying the registration and then find out it
>doesn't work so now I have to pay to register another product to do SOME of
>the things I originally paid for.
>
>My appeal to the Sprouls:

>
>Please get back to work on WinAPRS or release it to public domain so that we
>can get on with it.
>
>Thanks for allowing my rants. I feel a little better...
>
>Ben Miller
>KC5NFU
>Vice President - Rockwall Amateur Radio Club
>Rowlett Texas RACES Weather Officer
>
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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121. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Mon, 05 Feb 2001 10:03:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133028-2001.02.05-10.16.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oh, Sure. I just spend the money to register APRS+SA and but SA8 since it
appeared the Sprouls dropped off the face of the earth........

At 10:53 AM 2/5/01 -0500, Mark Sproul wrote:
>I am now back to work on WinAPRS, and expect to put up a new version today.
>
>
>Mark
>

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122. [aprssig] Re: Map Editors

From: Alex <kg4ecv@earthlink.net>
Date: Mon, 05 Feb 2001 11:09:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133031-2001.02.05-10.19.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I noticed that you can some fun things through the mapocx.cfg (which is
the same as in the pmap.cfg file in the PMap35 directory) file in the
winaprs directory. That let me to believe that there are indeed many
more features available throught the OCX than implemented in WinAPRS.

73s,
--Alex

Bill Diaz wrote:
> In
> fact, WinAprs never used many of the mapping features available in PMap 3.x
> OCX.
>
> Bill KC9XG

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123. [aprssig] NEW version of WinAPRS up on tapr

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 11:03:45 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133035-2001.02.05-10.26.19--lyris.aprssig#tapr.org@lists.tapr.org>
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I have placed a new version of WinAPRS, version 2.4.8 up on tapr

        ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/

The file is WinAPRS248.zip

This is ONLY the new executable, no support files.

The primary change is work on the long packet issue.

I am going to try to release a new version at least every 2 weeks for
the next couple of months.

I am going to be working on the exception handling issues that have
been discussed onm the sig.

Thanks

Mark Sproul
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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124. [aprssig] Not that it matters but...

From: "James R. Saker Jr." <jsaker@pensat.com>
Date: Mon, 5 Feb 2001 10:22:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133037-2001.02.05-10.34.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I were Mark, I'd be annoyed at complainers (like myself) who aren't
registered on the product, although I'd expect he'd understand that a
maximum uptime of 23 hours for APRS might keep some legit folks from
licensing.

Even though I've shelled out for StreetAtlas, Mark's got my registration
coming if we can get past the UAE's on Win2K (not that a few dollars amounts
to much though). In fact, Mark - if there's any guinea pig work you need to
trap this, please email me and put my systems to work.

Jamie Saker/K1JRS

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125. [aprssig] RE: Cheap ROtor Controller

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Fri, 26 Jan 2001 23:29:19 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133038-2001.02.05-10.35.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga <bruninga@usna.edu> proactively asks:

>But Before I finalize that, I thought I would ask if there are any other
>controllers that already use those(or other pins) so that I would be in
>common with them, or conversly, avoid these pins which might othwerise
>be used by other HAM applications so that both my application and other
>applications can work independently but share the same port?

Having just gone through this exercise, AGWPE can be set to activate the PTT
via parallel port pins, two radio's worth. This is the way I went because

there never seems to be enough serial ports on a PC, by about a factor of 2.

Especially PLEASE don't let it wiggle the designated "PTT" pin while any
Windows .WAV file is playing, I don't wanna lose my license. ;-)

Great project, Bob, think I'll try it once it's available. Will there be a
"manual" control for terrestrial ops, or do the only inputs consist of the PC
clock plus the sat orbital elements?

73,
Tony KD7TA

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126. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 11:34:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-133045-2001.02.05-10.56.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 9:01 AM -0600 2/5/01, James R. Saker Jr. wrote:
> > Could they not release two versions - one with exception handling and one
>without? Maybe an I-gate version with a reduced feature set? What about
>all the other features promised or menu options that just don't work (like
>fade to grey, station time-outs, and such)?
>

I am working on as much as I can on solving these issues. What I
would like to explain again about exception handling is this. You
dont just "turn it on", you have to go through the code and add
exception handling every where that might need it. You also have to
totally change the link libraries. Bottom line, its not a simple
task. If it were, i would have done it a long time ago.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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127. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 11:33:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133044-2001.02.05-10.56.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unhandled Exceptions happen no matter what language you use on
Windows. They are a fact of life when tring to program Windows. Any
"exception" can be trapped and "handled". C++ has a feature that is
called "EXCEPTION HANDLING" which was detailed here on this list in
the form of TRY and CATCH. This is ONE of the ways that you can deal
with exceptions from C++.

AS Bill Diaz states below, I have chosen NOT to use C++ "EXCEPTION
HANDLING" because it adds at least 20% to code size and does slow
things down.

I am planning on implementing the exception trapping with "normal"
win32 system calls. I just have not had time.

CODEWARRIOR: Metrowerks makes a product called CodeWarrior, it is

available for Mac, Windows, Linux, and Solaris. It is a uniform
system on all platforms. It will support Microsoft MFC for Windows.
What it does NOT do, is it does not provide wiz-bang build tools for
dealing with OCX's or Active-X components. That is why the Precision
Mapping interface is much harder to do from CodeWarrior. CodeWarrior
does implement C++ "EXCEPTION HANDLING", but as I stated above, I
have chosen not to use it.

I have worked all weekend on the too long packet issue and have a new
release ready. As soon as I get it put up on TAPR, I will make an
announcment.

Mark

At 12:22 AM -0600 2/5/01, Mark Fellhauer wrote:
>At 08:48 AM 2/4/01, Bill Diaz wrote:
>
>>WinAprs is compiled with CodeWarrior. Mark Sproul told me that
>>executable code
>>size increased by 20% when exception handling was included in WinAprs. He
>>stated that he chose not to include exception handling for this reason.
>>Therefore, IMO, the unhandled exceptions experienced by WinAPRS are
>>not caused
>>by the development language, compiler, or operating system.
>>
>
>Maybe this is a naive question, but it seems some of the Sprouls'
>problems (the UE and the Pmap 4.0 OCX) lie in difficulties with
>CodeWarrior (or so I've been told).   Could they switch to a
>different compiler?
>
>Although the program with exception handling is 20% bigger, isn't
>stability more desirable?   WinAPRS becomes almost useless when the
>UE's come fast and furious - and as I have noted in the past, there
>are a number of ways to generate UE's when the program is not even
>receiving data from the 'net or from a TNC just by searching for
>certain callsigns or doing mouse clicks in a specific sequence.
>
>Could they not release two versions - one with exception handling
>and one without? Maybe an I-gate version with a reduced feature
>set? What about all the other features promised or menu options
>that just don't work (like fade to grey, station time-outs, and
>such)?
>
>Oh well.   As Dave Van Horn says, "Where are the Sprouls?"   Perhaps
>we could make that into a bumper sticker - like the "Free Kevin"
>ones...
>
>73,
>
>Mark
>KC7BXS
>
>
>
>---
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--

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128. [aprssig] Re: Amiga computers

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 05 Feb 2001 10:42:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133046-2001.02.05-10.57.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the OS upgrade is only $50 for the Amiga.

Mark

At 07:48 PM 2/4/01, Brian wrote:
>At 05:07 PM 2/4/2001, Mark Fellhauer wrote:
>>At 10:06 AM 2/4/01, Bob Bruninga wrote:
>>
>>>I thought Amega computers (sp?) were dinosaurs like C-64's etc, but
>>>someone has stepped up to offer to write an APRS for it. I cant see
>>>investing the time, but he claims the Amega has a pretty good sized cult
>>>following....
>>
>>This from a man still developing DOS applications...   :)
>   --the rest cut--
>
>All that being said...I have two Amiga's setting around here collecting
>dust somewhere. If I had a version of Aprs to run on them, I would
>probably put a full time station on the air again. But, I would not even
>consider spending the money to update the OS because I could probably pick
>up a 486 machine for much less then an OS upgrade, and run the dos version.
>

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129. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 05 Feb 2001 12:14:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133054-2001.02.05-11.30.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nice to see you "up-periscope".
As you may have guessed, we've been wondering what was up.

--
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

130. [aprssig] RE: Cheap ROtor Controller

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 5 Feb 2001 12:25:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133056-2001.02.05-11.39.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

sOn Fri, 26 Jan 2001, Tony Arnerich wrote:

> Having just gone through this exercise, AGWPE can be set to activate the PTT
> via parallel port pins, two radio's worth....
> <snip>
> Especially PLEASE don't let it wiggle the designated "PTT" pin while any
> Windows .WAV file is playing, I don't wanna lose my license. ;-)

Can you tell me which pins? Im within a day or so of releaseing my new
program...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

131. [aprssig] APRS Rotator

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 5 Feb 2001 12:39:59 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133062-2001.02.05-11.54.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Jan 2001, Tony Arnerich asked about the APRS (A Practical
Rotator System) antenna controller:

> Great project, Bob, think I'll try it once it's available. Will there be a
> "manual" control for terrestrial ops, or do the only inputs consist of the PC
> clock plus the sat orbital elements?

INPUT-MY-ROTOR-commands are:
   ON (off)
   AZIMUTH   Moves to Azimuth X
   CAL   Forces a calibration
   LPTn   Change LPT ports
   MOVE   will move X degrees CW or CCW
   PRESENT   Tells APRS where it is presently pointing (eyeball cal)
   TRACK   Tracks any station on the P-List marked for tracking
             (including satellites when in view)

It uses two LPT output pins to tell the controller to go CW or CCW.
My $20 interface goes between these pins and the 30VAC in the Radio Shack
controller, or you can build your own. Your rotator must have a
mechanical stop at SOUTH and must rotate at constant RPM.

The hardware kits are available, and software will be "any day now"

APRS Engineering LLC
115 Old Farm Ct
Glen Burnie, MD 21060

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132. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 12:46:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133068-2001.02.05-12.06.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Mark, I'm assuming the numbers that are now showing up under
>stations are part of the parser debuging of 248....
>Mark, NA4V

Many of you will probably notice that there are now numbers showing
up under some stations on the map. These numbers are the ALTITUDE in
feet or meters (depending on the metric setting) of that station. Of
course, this only shows up if the station is reporting the altitude
information. This feature was requested by many people. Eventually
it will be a user preference to turn on/off, but for now it is always
on.

Mark

--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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133. [aprssig] Re: APRS Rotator

From: Alex <kg4ecv@earthlink.net>
Date: Mon, 05 Feb 2001 13:00:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133069-2001.02.05-12.10.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there also a command which will let you pick which pins to use?

73s,
--Alex

Bob Bruninga wrote:
>
> On Fri, 26 Jan 2001, Tony Arnerich asked about the APRS (A Practical
> Rotator System) antenna controller:
>
> > Great project, Bob, think I'll try it once it's available. Will there be a
> > "manual" control for terrestrial ops, or do the only inputs consist of the PC
> > clock plus the sat orbital elements?
>
> INPUT-MY-ROTOR-commands are:
>   ON (off)
>   AZIMUTH   Moves to Azimuth X
>   CAL   Forces a calibration
>   LPTn   Change LPT ports
>   MOVE   will move X degrees CW or CCW
>   PRESENT   Tells APRS where it is presently pointing (eyeball cal)
>   TRACK   Tracks any station on the P-List marked for tracking
>   (including satellites when in view)
>
> It uses two LPT output pins to tell the controller to go CW or CCW.
> My $20 interface goes between these pins and the 30VAC in the Radio Shack
> controller, or you can build your own. Your rotator must have a
> mechanical stop at SOUTH and must rotate at constant RPM.
>
> The hardware kits are available, and software will be "any day now"
>
> APRS Engineering LLC
> 115 Old Farm Ct
> Glen Burnie, MD 21060

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134. [aprssig] Perl code for ACKs

From: "Thomas M. Schaefer" <toms@inconnect.com>
Date: Mon, 5 Feb 2001 10:57:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133071-2001.02.05-12.12.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have some Perl code that I can dump a message into and it will
handle the acks? I have the email -> APRS gateway almost done except for
that piece. I thought I would ask if anyone has an object, or if anyone
wants to write one as my time is limited.

Thanks,

Tom NY4I

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135. [aprssig] Re: NEW version of WinAPRS up on tapr

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 05 Feb 2001 12:59:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133072-2001.02.05-12.17.13--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

At 12:46 PM 2/5/01 -0500, Mark Sproul wrote:
>>Mark, I'm assuming the numbers that are now showing up under stations are
>>part of the parser debuging of 248....
>>Mark, NA4V
>
>
>Many of you will probably notice that there are now numbers showing up
>under some stations on the map. These numbers are the ALTITUDE in feet or
>meters (depending on the metric setting) of that station. Of course, this
>only shows up if the station is reporting the altitude information. This
>feature was requested by many people. Eventually it will be a user
>preference to turn on/off, but for now it is always on.

Is that to be H over G, or sea-level, or ???
--
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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136. [aprssig] Re: Not that it matters but...

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Mon, 05 Feb 2001 12:06:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133073-2001.02.05-12.20.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>If I were Mark, I'd be annoyed at complainers (like myself) who aren't
>registered on the product, although I'd expect he'd understand that a
>maximum uptime of 23 hours for APRS might keep some legit folks from
>licensing.

At least 5 hams that I know have not registered winAPRS because it crashed on
them, could not be configured reliably to work each time that it crashed and
they had to restart it etc.

I hope the Sproul's can find time to straighten things out so that others who
are really interested in APRS can try it without getting a nasty taste in
their mouth (and the five that I know refuse to run APRSdos on their computer
that they use for logging and other activities, so that is not a workable path
either).

-----
gregg@c2-tech.com (C2 Technologies Inc)

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137. [aprssig] RE: Cheap ROtor Controller

From: WA8LMF1@aol.com
Date: Mon, 5 Feb 2001 13:13:42 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133076-2001.02.05-12.28.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/5/2001 9:28:41 AM Pacific Standard Time,
bruninga@usna.edu writes:

> Can you tell me which pins? Im within a day or so of releaseing my new
> program...
>
> de WB4APR, Bob

Bits 1 thru 4 (Pins 2 thru 5 of a standard DB-25 parallel port) are keyed
simultaneously for radio #1; bits 5 thru 8 (pins 6 thru 9 of DB-25) are keyed
simultaneously for radio number #2.

But then again, it may be academic since AGWPE is a native Win32 program

which means a Windows DOS box (your program) would be contending for port
access with a native Windows process...

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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138. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 12:14:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133077-2001.02.05-12.29.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have downloaded and installed WinAprs 2.4.8.
The exe is 1.5Mb whereas 2.4.7 was 2.99MB. Quite a difference.

One new feature of note is the new error logging capability. The menu
selection Windows, Error log brings up a window that shows errors detected by
WinAprs. This window actually contained 2 packets that WinAprs rejected after
logging on to APRServe.

Certainly a step in the right direction. Thanks Mark,

Bill KC9XG

On Monday, February 05, 2001 10:04 AM, Mark Sproul
[SMTP:msproul@jove.rutgers.edu] wrote:
> I have placed a new version of WinAPRS, version 2.4.8 up on tapr
>
>   ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/

> The file is WinAPRS248.zip
> This is ONLY the new executable, no support files.
> The primary change is work on the long packet issue.

> I am going to try to release a new version at least every 2 weeks for
> the next couple of months.
>
> I am going to be working on the exception handling issues that have
> been discussed onm the sig.

> Thanks

> Mark Sproul

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139. [aprssig] Re: Perl code for ACKs

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 5 Feb 2001 10:17:18 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133079-2001.02.05-12.33.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- "Thomas M. Schaefer" <toms@inconnect.com> wrote:
> Does anyone have some Perl code that I can dump a message into and it
> will
> handle the acks? I have the email -> APRS gateway almost done except
> for

How are you interfacing to RF.   AX25, TNC or TCP?

Bill

_____
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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140. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Mon, 5 Feb 2001 13:16:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133080-2001.02.05-12.35.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>Many of you will probably notice that there are now numbers showing
>>up under some stations on the map. These numbers are the ALTITUDE
>>in feet or meters (depending on the metric setting) of that
>>station. Of course, this only shows up if the station is reporting
>>the altitude information. This feature was requested by many
>>people. Eventually it will be a user preference to turn on/off,
>>but for now it is always on.
>
>Is that to be H over G, or sea-level, or ???

This is ALTITUDE as reported by the GPS, therefore it is above sea level.

This was put in because of a specific request by the Hang Gliding
community. It is also useful for the Hot Air Ballooning people..

Keith Sproul

Keith Sproul   ksproul@rci.rutgers.edu   WU2Z
Student Housing Network Coordinator   732 445-3695 W
Rutgers University Computing Services   732 821-4828 H

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141. [aprssig] KAM and APRS

From: kcechura@umr.edu
Date: Mon, 05 Feb 2001 12:29:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133081-2001.02.05-12.47.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

silly question....is it possible to make the KAM think that the GPS is an
HF rig and make it "act" like a dual port TNC?
/==================================\
|++++++++++++++++++++++++++++++++++|
|+   Ken Cechura   +|
|+   Station Manager, W0EEE   +|
|++++++++++++++++++++++++++++++++++|
|+ http://www.umr.edu/~kcechura +|
\==================================/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

142. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 13:32:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133082-2001.02.05-12.56.07--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

At 12:59 PM -0500 2/5/01, David VanHorn wrote:
>At 12:46 PM 2/5/01 -0500, Mark Sproul wrote:
>>>Mark, I'm assuming the numbers that are now showing up under
>>>stations are part of the parser debuging of 248....
>>>Mark, NA4V
>>
>>
>>Many of you will probably notice that there are now numbers showing
>>up under some stations on the map. These numbers are the ALTITUDE
>>in feet or meters (depending on the metric setting) of that
>>station. Of course, this only shows up if the station is reporting
>>the altitude information. This feature was requested by many
>>people. Eventually it will be a user preference to turn on/off,
>>but for now it is always on.
>
>Is that to be H over G, or sea-level, or ???
>--

It's sea level, thats what the GPS reports.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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143. [aprssig] Fw: [htaprs] New IGATE Service

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 5 Feb 2001 13:04:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133083-2001.02.05-13.19.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Attached is an item that may be of interest from the HTAPRS
sig for those who have seen the WHOIS data on their APRS
screens and wondered what it did...

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "John Gorkos" <jgorkos@san-carlos.rms.slb.com>
To: "TAPR Hot Technology APRS" <htaprs@lists.tapr.org>
Sent: Thursday, January 18, 2001 2:16 PM
Subject: [htaprs] New IGATE Service

> Part of my continuing efforts to add value-added-services to APRS:
>
> ANNOUNCING --
>   Igate whois service.
>
> How to use it: Simply send a message to WHOIS, with a single callsign as
the
> message body. Within seconds, you will receive a response from AB0OO-14
with
> the full name and City, State of the ham you requested, straight from the
FCC
> callsign database.
>
> Example:
>   On my TH-D7, I send a message
>   TO: WHOIS

> BODY: AB0OO
> Once the message goes out AND HITS AN IGATE (unless you live within 3 or 4
> hops of my TNC for RF), the message will be picked up by the APRSd network
> and the AB0OO-14 server will ACK your message. You will then receive an
> answer formatted like this:
> FROM: AB0OO-14
> BODY: AB0OO is GORKOS, JOHN M of DE SOTO, KS.
>
> Anyway, I hope its useful. I can, of course, extend the callsign database
to
> include foreign hams if someone would point me to a site I can download
the
> DB in (format is unimportant, Perl is good for that.)
>
> Comments welcome.
>
> John Gorkos
> AB0OO
>

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144. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 05 Feb 2001 13:22:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133093-2001.02.05-13.36.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:14 PM 2/5/01, Bill Diaz wrote:
>One new feature of note is the new error logging capability. The menu
>selection Windows, Error log brings up a window that shows errors detected by
>WinAprs.

I'm not finding this option. Anywhere.

Mark

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

145. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 05 Feb 2001 13:35:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133095-2001.02.05-13.49.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nevermind... Helps if I load the correct version...

oops,

Mark

At 12:14 PM 2/5/01, Bill Diaz wrote:
>One new feature of note is the new error logging capability. The menu
>selection Windows, Error log brings up a window that shows errors detected by
>WinAprs.

I'm not finding this option. Anywhere.

Mark

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146. [aprssig] Re: USB alternatives?

From: "The Kirsteins" <obskds@attcanada.ca>
Date: Mon, 5 Feb 2001 15:08:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133100-2001.02.05-14.27.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This would be great for mobile APRS. It would allow a user to
 connect a GPS
 AND a TNC to a Laptop(which almost always has only one serial port).

         Just my $0.03 ($0.02 USD)

                        Regards...73
                Dave   Kirstein   VA3DMK@rac.ca

  > There's this device, lying idle for lack of supporting software in APRS
  > platforms, which will let you have up to eight serial ports, and
requires
  > only a common serial port on the laptop. It also allows you to pipe
data
  > between devices, like from TNC to GPS for example, to make the waypoints
  > show up. I also provide power on the connectors, so that you can have a
  > single cable to each device.
  >
  > Anyone interested in supporting it?
  > I don't know costs, but definitely less than a comparable USB solution.
 >
  > I've had some feelers recently, and you know who you are.
  > I see no reason that it couldn't be included into any APRS package.
  >
  >
  > --
  > Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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147. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 14:21:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133101-2001.02.05-14.35.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,

The documented examples of packets that caused WinAprs to crash appeared to be
2 or more APRS message packets that may have been combined at US based IGATES
and sent to the network as one packet.

WinAprs 2.4.8 appears to be trapping only certain types of non-compliant
packets. Many other non-compliant packets are not being reported, but do not
appear to be causing any obvious errors at this time.

Some packets from IK1ZNW-8 are not APRS compliant. His traffic appears to be a
mailbox. They should not have been passed to the network to begin with.
 However, these packets should not cause WinAprs 2.4.7 and earlier to crash.
 These type packets have been on the network for some time but do not belong
there.

European stations account for less than 25% of the network traffic, while US
stations account for almost 75%. The US originated traffic contains far more
non-compliant traffic than overseas stations. Many of these non-compliant
packets are originated by US based IGATES that output overly long connection
status messages. Some IGATES are outputting nonsense characters, and most of
these are in the US. WinAprs in particular seems to output packets without
headers, and truncated packets. WinAprs 2.4.6 outputs control characters at the
start of the payload. Raw Mic-E packets are being improperly converted and

placed on the network. There is not specification for Mic-E packet
conversions. This can result in 5 or more converted Mic-E packets appearing on
the network from a single raw Mic-E packet.

We need to clean up our act before we point the finger overseas. It appears
that Mark is beginning to address some of the WinAprs issues. It is hoped that
other authors who are responsible for some of the other non-compliant packets
on the network will follow his lead.

Unfortunately, there are no specifications for network traffic. The APRServe
network desperately needs to be cleaned up, but the WG appears to be unable or
unwilling to address the issue. The WG may, in fact, be defunct since no
action has been announced on this or other issues.

The integrity of the APRServe network is at an all time low. Some servers are
not linked properly to other servers. Currently, packets on one server may not
be passed to all other servers. Consequently, you may not be seeing all
available traffic, and may find it impossible to send APRS messages to a
station connected to another server. Some IGATES may not see traffic that
would normally be passed to the local network.

Bill KC9XG

On Monday, February 05, 2001 7:57 AM, na4v@hom.net [SMTP:na4v@hom.net] wrote:
> Watching the new error log window confirms my suspicions..the stuff from
> overseas may possibly be causing problems (i.e. IK1ZNW-8)
> Mark, NA4V

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

148. [aprssig] Re: Fw: [htaprs] New IGATE Service

From: Steve Bragg <steve@hamhud.net>
Date: Mon, 05 Feb 2001 14:28:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133103-2001.02.05-14.43.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > Part of my continuing efforts to add value-added-services to APRS:
> >
> > ANNOUNCING --
> >   Igate whois service.
> >
> > How to use it: Simply send a message to WHOIS, with a single callsign as
> the
> > message body. Within seconds, you will receive a response from AB0OO-14
> with
> > the full name and City, State of the ham you requested, straight from the
> FCC
> > callsign database.

John, this is so incredibly cool! I will most certainly add a menu item
in the HamHUD III to directly invoke WHOIS on any callsign in the
station list. Thanks for implementing this feature!

I encourage more of this "value-added" stuff that's implemented through
the IGATE/digi system. What an easy way to get more functionality from
already-existing hardware & software.

Big 73,

Steve Bragg KA9MVA

```
--- __ __ ___   ____  __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
=========================================================
Steve Bragg KA9MVA    ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9
```

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149. [aprssig] VE4GLS-1 bulletin board downloading files on APRServe

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 15:55:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133121-2001.02.05-16.09.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

VE4GLS-1 is currently downloading a file to VE4AOJ. The downloads are
appearing on the network feed. Sure creates a problem for those who use the
APRServe network for it's intended purpose.

Bill KC9XG

Display current vehicle location :
http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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150. [aprssig] Re: VE4GLS-1 bulletin board downloading files on APRServe

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 05 Feb 2001 15:00:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133126-2001.02.05-16.14.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:55 PM 2/5/01 -0600, Bill Diaz blasted the following out into the ether:
>VE4GLS-1 is currently downloading a file to VE4AOJ. The downloads are
>appearing on the network feed. Sure creates a problem for those who use the
>APRServe network for it's intended purpose.

Might be time to invoke the dreaded BUDLIST out there somewhere...

7 3
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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151. [aprssig] APRS in the National Parks (VISITORS)

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 5 Feb 2001 17:05:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133128-2001.02.05-16.20.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A thread on the HT sig asked about APRS in Hawaii and launched this new
TOPIC for discussion:

Good point. We must all think of the TRAVELER. APRS is for the
TRAVELLING HAM. In that sense, Those who put up assets may not be the
ones that use them the most. THink of the Grand Canyon, Dinsey world,
Hawaii, Yellowstone, all kinds of places that thrive on tourists...
that *dont* have large permanent populations nearby... (or APRS)

When I visited the Grand Canyon and saw all the RV's and Vans, I was sure
I would see an APRS'er. Statistically, with 12,000 visitors a day there
should be 24 hams in the park and 2 should be on APRS... I guess the
other guy's was off since the whole area had no APRS digis.

Actually I would think the select group of road travelers would have a
stistically higher average of HAMS and Thus, I would not be surprised if

there were not a half dozen of us in the park that day.

Maybe we need to identify these (remote, large) TOURIST areas and make
sure that WE-COLLECTIVELY support an infrastructure there.... but first,
lets identify the TARGETS and their visitation rates:

TOURIST AREA	VISITORS/YEAR	APRS
1) Grand Canyon	5,000,000	no (in June 1999)
2) Yellostone	3,100,000	?
3) Rocky Mountain N.P.	?	?
4) Yosemite	?	?
5) Sequoia Natl Park	?	?
6) Mesa Verde (a 20' mast would cover hundreds of miles of interstate)		
7) Badlands	?	?
8) Mt Rushmore	?	?
9) Zion Natl Park	?	?
10) Grand Tetons	?	?
11) Devils Tower	?	?
12) ???		

The criteria here are those areas that are remote from the existing
terrestrial APRS infrastructure and which probably do not have enough
permanent locals to support a digi... "Coverage" means that you can
communicate from the parking lot of the biggest Campground or
Headquarters (Being on TOP of the mountain doesn't count).

If you can supply any info above, please send to me an I will update this
list... Including of course, adding other areas.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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152. [aprssig] Kenwood TH-D7Ag - My thoughts

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Mon, 5 Feb 2001 16:15:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133130-2001.02.05-16.31.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(I saw info and questions on both the HTAPRS and APRSSIG lists on the
TH-D7A(G) but this is in response to posts on APRSSig so it is only posted
here...)

I have the radio and I love it (got it a couple of days before Christmas) -
but - here is what I've found out.

The antenna seems to be "off", in that one analysis by someone else says it
is designed for about 136MHz rather than centered around 146MHz for 2meters.
Everything I study says get this other certain antenna (can't remember the
name right now) and the radio will do much better.

The TNC is not very "standard" (limited command set) and seems to have some
limitations - but I have gotten it to work with some packet programs. This
could be as much my 'novice-itis' with packet and setting up TNC's and the
programs to run them as much as it could be the Kenwood TNC. I've been very
busy since the new year and have not had time to play more, but I think that
I can get most programs (that failed at holiday time) to work because I have
studied very much TNC stuff since then. I have been able to do packet here
and have been able to join in our little local packet net.

I have used the APRS features with good success also.   Again, some of my
problems are probably mostly learning new stuff (and not reading enough info
first), but the same problem with the packet exists, I have not had enough
time to play more since 'last year'. I have gotten it to function with
WinAPRS (ver 2.4.7) OK and seem to also have it work OK when not connected

to the computer as well.

I have not had a chance to use the TNC in 'kiss' mode, where the host
program does all the real work, this mode may help with the minor problems
I've had in packet and APRS modes. Don't know yet, will soon.

I built a copper J-Pole for 2 meters and it works great from the roof of the
house. Talked simplex about 35 miles (I assume they had a beam aimed my
way) and they complimented me on the clarity of my signal. I talk simplex
(j-pole to j-pole at a friend's) about 19 miles with good clear signals
also - no beams.

I bought the Kenwood mike/speaker and am darned glad I did! I attribute
that to the compliments I get on the clarity of my audio... I don't get any
complaints from the built-in mike either.

I find the speaker (internal and external) work well and clearly.
Personally I think the speaker in the mike is a tad bit clearer.

I bought the 'fast charger' unit and am also glad I did. Set the radio in
it and about 90 minutes later its ready to go. Compared to 6 to 8 hours or
more (I think) for the standard charger that comes with the radio.

I built a quick beam antenna for a test fox hunt and my kenwood did very
well.

I found that the disk that came in the box for programming the radio was NOT
the correct program for my radio. A quick trip to the Kenwood website and a
fast download got me the right program and I love programming my radio from
my PC or laptop. Much faster than from the keyboard.

Summary:
I love my radio, think that I can resolve the TNC packet/aprs configuration
issues, love the mike/speaker combo, the fast charger, and connecting it to
my computers. I will soon replace the standard antenna.

Hope that helps,
Scott
kd5mhm@kd5mhm.org

Scott D. Johnson, CDP, CSP, CCP
Midland, Texas

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153. [aprssig] Re: Perl code for ACKs

From: Jeff King <jeff@aerodata.net>
Date: Mon, 05 Feb 2001 17:19:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133133-2001.02.05-16.34.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ditto on posits. Looking for some Perl code to do that (I know
it is easy but I am lazy).

"Thomas M. Schaefer" wrote:
>
> Does anyone have some Perl code that I can dump a message into and it will
> handle the acks? I have the email -> APRS gateway almost done except for
> that piece. I thought I would ask if anyone has an object, or if anyone
> wants to write one as my time is limited.
>
> Thanks,
>
> Tom NY4I
>
> ---
> You are currently subscribed to aprssig as: jeff@aerodata.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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154. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 5 Feb 2001 17:23:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133134-2001.02.05-16.37.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 5 Feb 2001, Bill Diaz wrote:

> Unfortunately, there are no specifications for network traffic. The APRServe
> network desperately needs to be cleaned up, but the WG appears to be unable or
> unwilling to address the issue. The WG may, in fact, be defunct since no
> action has been announced on this or other issues.

The WG is willing to address it, but someone somewhere has to sit down
and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
APRServe and fathered the current system has not stepped forward to do
this. There are now others who are knowledgible enough about the network
who could do this..

We have asked for volunteers on this SIG many times. Until someone finds
the time or steps forward to put together a draft, then the WG has nothing
to review or work with...

Just my opinion...

de WB4APR, Bob

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155. [aprssig] Re: Fw: [htaprs] New IGATE Service

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 5 Feb 2001 17:28:37 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133136-2001.02.05-16.42.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > > Part of my continuing efforts to add value-added-services to APRS:
> > >
> > > ANNOUNCING --
> > >   Igate whois service.
> > >
> > > How to use it: Simply send a message to WHOIS, with a single callsign as
> > > the message body. Within seconds, you will receive a response...
> > > with the full name and City, State of the ham you requested,

I havent tried this yet, but I hope the response tries (if possible) to
parse the data somewhat and try to match the display boundaries of the D7
and D700. This will MAXIMIZE the WOW factor.

Nothing like showing off stuff with your HT.

Accessing such data over the air from a full blown PC is a "ho-hum" since
the PC can get the data anyway....

But put it on the TWP's (Tiny Web Pages) in the HT and/or mobile, and you
can really make an impression... In that sense, formatting is
everything...

bob

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156. [aprssig] Re: Perl code for Posit's

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 5 Feb 2001 14:55:26 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133144-2001.02.05-17.09.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Jeff King <jeff@aerodata.net> wrote:
> Ditto on posits. Looking for some Perl code to do that (I know
> it is easy but I am lazy).

Using AX25 or TCP?

_____
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157. [aprssig] Re: APRS in the National Parks (VISITORS)

From: WA8LMF1@aol.com
Date: Mon, 5 Feb 2001 17:56:35 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133145-2001.02.05-17.11.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/5/2001 2:11:09 PM Pacific Standard Time,
bruninga@usna.edu writes:

> Good point. We must all think of the TRAVELER. APRS is for the
> TRAVELLING HAM.

Interesting that you should bring this up. Between Christmas and New Years,
I made a trip from the northern Cal / Sacramento area to Grand Teton Nat
Park.

I had my D700 beaconing WIDE4-4 for the entire trip which consisted of
heading east on I-80 to Wells, NV then north on US-93 to Twin Falls, ID then
east on I-86 to Idaho Falls. Then onward on US-26 into the Jackson Hole/Grand
Teton area. The return trip was via US-20 and I-86 to Boise then south via
US-95 back to I-80 and the Reno area. When I got back to Cal, I checked
FINDU to see where I had made it into the APRServe network.

The last fix had been 4 days before on the WEST slope of the Sierras on I-80
on the way out. Once I crossed over the Sierra Nevada Donner summit near
Truckee (and left the dense California digi network in central and coastal
California), I didn't make it into APRServe once!

Although I got occasional D700 "my-callsign-digipeated" beeps in the Reno,
Idaho Falls, and Boise areas (and briefly on a few high mountain passes)
apparently apparently no Igate was within range on the entire trip! Or was
my WIDE4-4 path which works everywhere in California inappropriate for
whatever systems were in the Great Basin?

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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158. [aprssig] Re: Perl code for Posit's

From: Jeff King <jeff@aerodata.net>
Date: Mon, 05 Feb 2001 18:02:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133146-2001.02.05-17.17.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall wrote:
>
> --- Jeff King <jeff@aerodata.net> wrote:
> > Ditto on posits. Looking for some Perl code to do that (I know
> > it is easy but I am lazy).
>
> Using AX25 or TCP?

In my case, TCP/IP but I'll take either. The biggest job is formatting
the frames, and then at that point you have a number of options available
to you.

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159. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 5 Feb 2001 15:07:30 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133147-2001.02.05-17.21.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> On Mon, 5 Feb 2001, Bill Diaz wrote:
>
> > Unfortunately, there are no specifications for network traffic.
> The APRServe network desperately needs to be cleaned up,

Playing the devil's advocate a bit...

Why?   Lots of clutter but it's not really broke. We are
ready for a next generation of iGate and APRS applications.
Little things like multicasting, client server databases (next
generation findu), application interfaces, software libraries
and API's.   A few bogus bytes in the data stream
seem inconsequential when compared to the development
opportunities out there.

Until then, the old system is doing the job nicely.

Bill

PS. If Afilter is evolving to a hub in it's own right, it
could have a http://address:14501 status page like APRSd.   Then
it'll be reachable from the iGate links and best of all, it'll
present an opportunity to list the stations generating bogus
packets.   Once identified and on a list - we can track down and
solve the problems.

_____
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

160. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 17:09:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133148-2001.02.05-17.24.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

On Monday, February 05, 2001 4:24 PM, Bob Bruninga [SMTP:bruninga@usna.edu]
wrote:

> On Mon, 5 Feb 2001, Bill Diaz wrote:
>
> > Unfortunately, there are no specifications for network traffic. The
> > APRServe network desperately needs to be cleaned up, but
> > the WG appears to be unable or unwilling to address the issue.
> > The WG may, in fact, be defunct since no action has been
> > announced on this or other issues.

> The WG is willing to address it, but someone somewhere has to sit down
> and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
> APRServe and fathered the current system has not stepped forward to do
> this. There are now others who are knowledgible enough about the network
> who could do this..

Perhaps you could inform us as to the current composition of the WG?

When was the draft proposal discussed with these members?

When did they last meet?

Did the WG meet at DCC, or Dayton?

> We have asked for volunteers on this SIG many times. Until someone finds
> the time or steps forward to put together a draft, then the WG has nothing
> to review or work with...

I was one who volunteered and I am aware of several others who offered to
contribute thier services as well. I beleive John Ackerman was the one who
solicited for volunteers. Apparently, no action was taken on the inclusion of
new members by the WG to my knowledge.

If the WG is non-functional, it is time to create a new WG. Perhaps, TAPR will
once again take the lead?

Bill KC9XG

> Just my opinion...
>
> de WB4APR, Bob
>
>

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161. [aprssig] Re: APRS in the National Parks (VISITORS)

From: K3for@aol.com
Date: Mon, 5 Feb 2001 18:11:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133150-2001.02.05-17.26.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>Maybe we need to identify these (remote, large) TOURIST areas and make
sure that WE-COLLECTIVELY support an infrastructure there....

APR Bob makes a good point. Many of us have assembled portable digi's for
emergency or special event purposes. If you can spare the packing space, try
to mag-mount it on your travel vehicle for those cross-country road trips.
Not only helps yourself, also helps out other tourist hams.

Just be sure to:
1) keep the gear out of sight of prying car burglars while you're sight-seeing
2) make sure a dead vehicle battery doesn't ruin the vacation
3) check your message list and reply to the "greetings" messages from others

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162. [aprssig] Re: KAM and APRS

From: "Michael J Huslig" <mhuslig@kantronics.com>
Date: Mon, 5 Feb 2001 17:20:38 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133151-2001.02.05-17.30.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I assume you are referring to the KAM '98. No, it cannot use the GPS/Aux
port for as a second radio port.

Mike

----- Original Message -----
From: <kcechura@umr.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 05, 2001 1:29 PM
Subject: [aprssig] KAM and APRS

> silly question....is it possible to make the KAM think that the GPS is an
> HF rig and make it "act" like a dual port TNC?
> /==================================\
> |++++++++++++++++++++++++++++++++++|
> |+   Ken Cechura   +|
> |+   Station Manager, W0EEE   +|
> |++++++++++++++++++++++++++++++++++|
> |+ http://www.umr.edu/~kcechura +|
> \==================================/
>
> ---
> You are currently subscribed to aprssig as: mhuslig@kantronics.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

163. [aprssig] Re: Perl code for Posit's

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 5 Feb 2001 15:17:03 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133152-2001.02.05-17.31.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> In my case, TCP/IP but I'll take either. The biggest job is
> formatting
> the frames, and then at that point you have a number of options
> available to you.

Here's a couple routes from a APRS - PERL library I'm building. Brute
force and quick - what can I say, it works..

Bill

```
# create position string from Lat and Long
sub axu_encode_position {
    local($lat,$long,$symbol,$phg)=@_;
    local($posit);
    local($szlat) = axu_encode_lat($lat);
    local($szlong)= axu_encode_long($long);
    local($sym1,$sym2)=(substr($symbol,0,1),substr($symbol,1,1));
    $posit = sprintf("%8s%s%9s%s",
        $szlat,$sym1,$szlong,$sym2);
    return($posit);
}

# convert degrees (+/-)DDD.pp to text posit (DDDMM.pp[NWES])
sub axu_encode_lat{
   local($degrees)=@_;
   local($sym)="N";
   if ($degrees < 0) {
```

```
      $sym="S";
      $degrees=-$degrees;
   }
   local($deg,$min);
   $deg = int ($degrees);
   $min = 60 * ($degrees - $deg);
   return(sprintf("%02d%04.2f%s",$deg,$min,$sym));
}


sub axu_encode_long{
   local($degrees)=@_;
   local($sym)="E";
   if ($degrees < 0) {
      $sym="W";
      $degrees=-$degrees;
   }
   local($deg,$min);
   $deg = int ($degrees);
   $min = 60 * ($degrees - $deg);
   return(sprintf("%03d%05.2f%s",$deg,$min,$sym));
}
```


```
_____________________________________________________
Get personalized email addresses from Yahoo! Mail - only $35
a year!  http://personal.mail.yahoo.com/

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```


164. [aprssig] AFilter

```
From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 05 Feb 2001 16:17:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133153-2001.02.05-17.33.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I've noticed that AFilter won't create a budlist file in anything
other than C:/winaprs.  Normally this wouldn't be a problem, but on MY
system, WinAPRS runs from *E* drive!  I've had to make a winaprs directory
on my C drive just to hold the budlist file.

      Sound normal?  Or can this be changed?

      Thanks,
      Earl


Earl Needham, KD5XB    mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico         DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun,  breathe is a verb (When you take a breath,
you breathe...)


---
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```

165. [aprssig] Re: NEW version of WinAPRS up on tapr

```
From: Gerry Creager <gerry@cs.tamu.edu>
Date: Mon, 05 Feb 2001 17:20:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       aprssig@tapr.org
Message-ID: <LYR842-133154-2001.02.05-17.34.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Keith Sproul wrote:
>
> >>Many of you will probably notice that there are now numbers showing
> >>up under some stations on the map.  These numbers are the ALTITUDE
```

> >>in feet or meters (depending on the metric setting) of that
> >>station. Of course, this only shows up if the station is reporting
> >>the altitude information. This feature was requested by many
> >>people. Eventually it will be a user preference to turn on/off,
> >>but for now it is always on.
> >
> >Is that to be H over G, or sea-level, or ???
>
> This is ALTITUDE as reported by the GPS, therefore it is above sea level.

Really, Height Above Ellipsoid. And, depending on which datum they have
their GPS set for (at least those so configurable) it *MAY* or *MAY NOT*
be close to MSL.

For those wondering, there's no way GPS can tell how high you ar above
ground.

73, gerry N5JXS
--
Gerry Creager | Never ascribe to Malice that
AATLT | which can adequately be
Texas A&M University | explained by Stupidity.
979.458.4020 (Phone) | -- Lazarus Long
979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

166. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Greg Noneman <greg@clubnet.net>
Date: Mon, 5 Feb 2001 15:23:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133156-2001.02.05-17.39.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Will there be a corresponding Mac version (including OpnTpt) released as
well? I notice Keith has been running 3.4.8 for some time.

Greg
WB6ZSU

>I have placed a new version of WinAPRS, version 2.4.8 up on tapr
>
>   ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/
>
>The file is WinAPRS248.zip
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

167. [aprssig] Re: Perl code for Posit's

From: Jeff King <jeff@aerodata.net>
Date: Mon, 05 Feb 2001 18:28:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133157-2001.02.05-17.44.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall wrote:
>

> Here's a couple routes from a APRS - PERL library I'm building. Brute
> force and quick - what can I say, it works..

THANK YOU! Saved it off and should start messing with it next week

-Jeff

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168. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 17:48:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133165-2001.02.05-18.04.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill,

On Monday, February 05, 2001 5:08 PM, Bill Vodall [SMTP:wa7nwp@yahoo.com]
wrote:

> > On Mon, 5 Feb 2001, Bill Diaz wrote:
> > > Unfortunately, there are no specifications for network traffic.
> > The APRServe network desperately needs to be cleaned up,
>
> Playing the devil's advocate a bit...

> Why?   Lots of clutter but it's not really broke. We are
> ready for a next generation of iGate and APRS applications.
> Little things like multicasting, client server databases (next
> generation findu), application interfaces, software libraries
> and API's.   A few bogus bytes in the data stream
> seem inconsequential when compared to the development
> opportunities out there.

> Until then, the old system is doing the job nicely.

> Bill

I have to disagree with the assessment that it is not broken.

If you cannot send aprs internet traffic to another Aprs Internet user who
happens to be connected to another server, then something is drastically wrong.

Bandwidth has been exhausted at several server sites. Steve Dimse had to limit
connections in Miami for this reason, and others have had to do the same, or
move, or shut down. Megabytes of non aprs compliant data are seen each day.

The next generation of IGATE and APRS applications will have to deal with
current megabytes of bogus data in addition to the future non APRS compliant
data that will be introduced if no control is excercized by the WG.

Perhaps, one answer is for servers to be segregated into those that are APRS
compliant, and those that aren't. Users who preferred a pure APRS compliant
data stream and high integrity could connect to the compliant servers. Users
who had other interests could connect to other, Non-Compliant servers. There
is no reason that non-Aprs packet activity should not have it's own servers.
 Mixed use is also possible, with seperate ports for compliant and
non-compliant packets.

> PS. If Afilter is evolving to a hub in it's own right, it
> could have a http://address:14501 status page like APRSd.   Then
> it'll be reachable from the iGate links and best of all, it'll
> present an opportunity to list the stations generating bogus
> packets.   Once identified and on a list - we can track down and
> solve the problems.

AFilter is evolving to a full fledged APRS compliant server. I will certainly
be adding crosslinking in the future. I am considering the addtion of a port
to provide an output consisting solely of the "bogus" packets rejected by
AFilter.

Bill KC9XG

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169. [aprssig] Kam Plus digipeater configuration

From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
Date: Tue, 30 Jan 2001 21:49:45 -0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133166-2001.02.05-18.04.48--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hi sig.
I'm installing a wide digipeater and I need to know which parameters I have
to configure.
Thanks!
Alex, PT2VHF
BRAZIL

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170. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Mon, 5 Feb 2001 18:56:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133169-2001.02.05-18.15.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 3:23 PM -0800 2/5/01, Greg Noneman wrote:
>Will there be a corresponding Mac version (including OpnTpt) released as
>well? I notice Keith has been running 3.4.8 for some time.
>

Yes there will, I have Open transport working but it still needs some
more work.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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171. [aprssig] RE: AFilter

From: Bill Diaz <billdiaz@megsinet.net>
Date: Mon, 5 Feb 2001 17:54:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133170-2001.02.05-18.16.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl,
  AFilter has the ability to save the budlist to any drive or directory. The
menu selection BudList, Save can be used for this purpose. You can also load a
budlist from a different directory or drive with the menu selection BudList,
load. After loading or saving a budlist in this manner, AFilter will always
use this location to load and save budlists.

Bill KC9XG

On Monday, February 05, 2001 5:18 PM, Earl Needham [SMTP:KD5XB@AMSAT.ORG]
wrote:
>
>   I've noticed that AFilter won't create a budlist file in anything
> other than C:/winaprs. Normally this wouldn't be a problem, but on MY
> system, WinAPRS runs from *E* drive! I've had to make a winaprs directory
> on my C drive just to hold the budlist file.
>
>   Sound normal? Or can this be changed?
>
>   Thanks,
>   Earl
>
>
> Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
> Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

>
> Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
> you breathe...)
>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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172. [aprssig] Re: NEW version of WinAPRS up on tapr

From: "The Tate's" <tates@tenforward.com>
Date: Mon, 5 Feb 2001 16:32:58 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-133174-2001.02.05-18.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmmm. I think that it would be height over globe wouldn't it??? They should
be the same as SL but sometimes it is different

> This is ALTITUDE as reported by the GPS, therefore it is above sea level.

David Tate

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173. [aprssig] Magellan 4000 XL GPS/D700a

From: "Mark A. Foley" <na4v@hom.net>
Date: Mon, 5 Feb 2001 20:37:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-133191-2001.02.05-19.52.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A friend of mine just got a new D700a and is trying to mate it with a
Magellan 4000XL. I haven't had a chance to check his installation...but he
asked for me to contact the aprssig for anyone that has this type of
receiver and what settings/wiring data for the GPS was used to talk to the
D700
Thanks....
Mark, NA4V

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

174. [aprssig] Re: NEW version of WinAPRS up on tapr

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Mon, 5 Feb 2001 19:10:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133201-2001.02.05-21.25.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I read the spec on my Garmin receivers, it talks about altitude being MSL, not ellipsoid height.
When I read about the PVT data output from the same receiver, it talks about 2 numbers for altitude,
Ellipsoidal Height, WGS84, and height of the ellipsoid above MSL. I had assumed that the GPS had a
model of the Geoid height, in order to project MSL. Gerry, can you clarify what this means?   I read it
 to be that it is trying to give a MSL estimate.

Brent KH2Z

typedef struct
{
float alt; /* altitude above WGS 84 ellipsoid (meters) */

```
float epe; /* estimated position error, 2 sigma (meters) */
float eph; /* epe, but horizontal only (meters) */
float epv; /* epe, but vertical only (meters) */
int fix; /* type of position fix */
double tow; /* time of week (seconds) */
Radian_Type posn; /* latitude and longitude (radians) */
float east; /* velocity east (meters/second) */
float north; /* velocity north (meters/second) */
float up; /* velocity up (meters/second) */
float msl_hght; /* height of WGS 84 ellipsoid above MSL (meters) */
int leap_scnds; /* difference between GPS and UTC (seconds) */
long wn_days; /* week number days */
} D800_Pvt_Data_Type;


----- Original Message -----
From: "Gerry Creager" <gerry@cs.tamu.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>; <aprssig@tapr.org>
Sent: Monday, February 05, 2001 3:20 PM
Subject: [aprssig] Re: NEW version of WinAPRS up on tapr


 Keith Sproul wrote:
 >
  > >>Many of you will probably notice that there are now numbers showing
 > >>up under some stations on the map.  These numbers are the ALTITUDE
 > >>in feet or meters (depending on the metric setting) of that
 > >>station.  Of course, this only shows up if the station is reporting
 > >>the altitude information.  This feature was requested by many
 > >>people.  Eventually it will be a user preference to turn on/off,
 > >>but for now it is always on.
 > >
 > >Is that to be H over G, or sea-level, or ???
 >
 > This is ALTITUDE as reported by the GPS, therefore it is above sea level.

 Really, Height Above Ellipsoid.  And, depending on which datum they have
 their GPS set for (at least those so configurable) it *MAY* or *MAY NOT*
 be close to MSL.

 For those wondering, there's no way GPS can tell how high you ar above
 ground.

 73, gerry N5JXS
 --
 Gerry Creager                          |      Never ascribe to Malice that
 AATLT              |      which can adequately be
 Texas A&M University                   |      explained by Stupidity.
 979.458.4020  (Phone)                  |      -- Lazarus Long
 979.847.8578  (Fax)




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```

175. [aprssig] Amarillo Hamfest and New Digi's

From: "Ben Pollard" <ws5r@arrl.net>
Date: Mon, 5 Feb 2001 22:21:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133211-2001.02.05-22.30.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a couple quick announcements, first and foremost, we have a couple new digi's on line. Looks like we have a good path up to Liberal Kansas now and Garden City is soon to follow. Thanks to Dan Cox, W0KKS in Liberal and George Reust KY5C in Guymon, OK for their diligent work on the Liberal, KS, Guymon, OK and Gruver, TX digis. Also to Dale Urban in Garden City for his work on the Garden City machine. This probably adds 30,000 square miles of coverage to the network. I'll try to get a recent screenshot downloaded to the webpage at www.qsl.net/nwtx-ares.

The Annual ARES/RACES hamfest is coming next weekend in Canyon (Amarillo), TX this weekend. We'll be having an APRS get together on Saturday, Feb 10th at 0900. Should have an I-gated station set up during the fest. All are

invited and if you need more info, e-mail me or check the webpage above.

73,
Ben
WS5R

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176. [aprssig] RE: Crazy ideas.

From: RMckni8527@aol.com
Date: Mon, 5 Feb 2001 23:29:52 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133212-2001.02.05-22.44.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/4/01 8:33:25 PM Pacific Standard Time, byon@mail.com
writes:

> What about writing some code to convert the public US Census
> Bureau Tiger maps into something APRS can read? Mapopolis
> has great street level maps derived from the Tiger Maps.
>
> Byon
>

They ALL use the TIGER database... PMap, SA, RandMacNally... probably even
the vector stuff inside the newer GPS's like GPS3+ etc. It's just how it's
presented on the screen that differs, colors, details, how nicely the screen
scrolls, etc.

177. [aprssig] RE: Crazy ideas.

From: RMckni8527@aol.com
Date: Mon, 5 Feb 2001 23:38:54 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133213-2001.02.05-22.53.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/4/01 9:44:29 PM Pacific Standard Time,
jackplum@servtech.com writes:

> Additonally, does any know how to convert an Arcview shape file for use?
> That one passed through the list a while back but it too has been lost in
>

I'll look at work tomorrow at what ARCView can do, but I believe it's pretty
limited (spelled proprietary) in it's output formats. At least it was up til
Ver 3, so I'll see what 3.2 has. But I recall that it did output things
other than .SHP that can easily be converted.

73's
Ray

178. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: RMckni8527@aol.com
Date: Mon, 5 Feb 2001 23:58:41 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133215-2001.02.05-23.13.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/5/01 7:02:24 AM Pacific Standard Time, jsaker@pensat.com
writes:

> Has anyone had better luck with WinAPRS and Win2K?
>
>

It shouldn't matter if it's Win95/Win98 or Win2K, all should crash as
reliably given the same bug. I run WinAPRS 2.4.5 or 4.6 can't recall now, on

Win98, NO INTERNET FEED EVER, and it goes usually for about 3 MONTHS before
requiring a reboot. Usually it happens when I need to reboot the machine
anyway just to load a new driver or something. I only recall TWO times that
it's crashed because of supposedly bad over-the-air packets. But maybe I
don't live near an offending station that routinely spits out long, badly
formatted packets?

I still feel it should be fixed, that's not changed!

Ray - WB3ABN
Seattle

179. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Jeff King <jeff@aerodata.net>
Date: Tue, 06 Feb 2001 01:17:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133236-2001.02.06-00.32.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Diaz wrote:
>
> Perhaps, TAPR will once again take the lead?

Personally, I think APRS is big enough for its own organization.
That is not to say a TAPR tie is a bad thing, and shouldn't be
carried on, but why not look at all the options?

> > Just my opinion...

Dittos

-Jeff

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180. [aprssig] Re: Fw: [htaprs] New IGATE Service

From: RMckni8527@aol.com
Date: Tue, 6 Feb 2001 01:43:06 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133240-2001.02.06-00.57.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/5/01 11:08:26 AM Pacific Standard Time,
tim_cunningham@mindspring.com writes:

> . I can, of course, extend the callsign database
> to
> > include foreign hams if someone would point me to a site I can download
> the
> > DB in (format is unimportant, Perl is good for that.)
> >
> > Comments welcome.
>

HamCall does foreign callsigns, but only about 50% are available. Not sure
about online, at least it's there in the CD. If their web site doesn't
support foreign calls, there MUST be a server somewhere that has it
loaded...club web servers?...

181. [aprssig] A primer on GPS vertical and pressure altimetry

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Tue, 06 Feb 2001 03:46:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-133242-2001.02.06-04.00.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For those not interested in the technical lecture, it's "Delete" time...
You have been warned.

I want to start with the admission that I've not kept up diligently with
the Garmin line of consumer receivers, and their gadget index. That
said, a brief review of the Garmin site suggests that while they're

providing a nice adjunct to the GPS for backpackers and climbers
(although I'd never have thought of carrying something else to go in
MY hands when I was actively rock climbing) that uses pressure
altimetry to show how far you've climbed, and how fast. To dispose of
this quickly, sever factors must be considered before we look to
barometry as a good measure of vertical.

1. The atmosphere must be sstandard for the numbers to relate an
altitude that is consistent with reality: 1000 kPa, 5C, 25% RH. You
pilots out there should remember this from Initial groundschool. If the
pressure's higher than standard (or temp's lower) you are higher than
the reading suggests; lower pressure (or higher temp) results in a
READING that's higher than reality.

2. the device should... no, MUST... be calibrated and tracable. This
is true in flying, and in geodetic work. If it isn't, then it's not a
recordable event.

3. The device should be cross-checked against a calibrated and tracable
barometer prior to and after serious efforts to use it for pressure
altimetry. Pilots do this by getting the Station Pressure and adjusting
it into the pressure altimeter on their aircraft in the Kohlsmann
window.

4. pressure altimetry is only valid in a stable, mixed, homogeneous
atmosphere.. No negotiations here.

Anything else, and the numbers you're producing are not consistent with
objective reality, even if they're apparently similar to it. You might
make a case by consistent, long-term data collection and correlation...
I'm open to this.

In the science of geodesy, we construct, and/or recognize, several
Earth-ish models. First is the physical model, Earth. It's tangible,
visible, but pretty irregular. To compensate for this, and realizing
we're using (in GPS) an orbiting determinant, that relies on smooth
motion and angular movement, we constructed an ellipsoid. This model is
a mathematical attempt to model the Earth as a smooth construct. It
possesses of a semi-major axis and semi-minor axis, being an ellipse
first and foremost. As the two axes are very similar in dimension, we
tend to report it as a semi-major axis and an index of eccentricity,
which is a measure of its departure from truly circular. For the
current models, including the GRS80 ellipsoid (NAD83) and the WGS94
ellipsoid (WGS84) the departure from circular is very small... but not
trivial by geodetic means.

We generate the smooth surface of the ellipsoid by rotating the ellipse
about its semiminor axis. This "ellipsoid" or oblate spheroid, further
rotates about the theoretical center of mass of the body it represents
(Earth). When we calculate the GPS-derivable component of height, it is
in relation to Height Above Ellispoid, which is integral to the
datum-related coordinates you are all so familiar with.
End of Part 1
--
Brent Hildebrand wrote:
>
> When I read the spec on my Garmin receivers, it talks about altitude being MSL, not ellipsoid height.
  When I read about the PVT data output from the same receiver, it talks about 2 numbers for altitude,
  Ellipsoidal Height, WGS84, and height of the ellipsoid above MSL. I had assumed that the GPS had a
model of the Geoid height, in order to project MSL. Gerry, can you clarify what this means?   I read it
 to be that it is trying to give a MSL estimate.
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
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and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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182. [aprssig] Part 2: A primer on GPS vertical and pressure altimetry

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Tue, 06 Feb 2001 04:15:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>

Message-ID: <LYR842-133243-2001.02.06-04.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
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Caveat Reader: Technical content enclosed.

In the initial calculation of GPS-derived position, the receiver
(usually) works in Cartesian coordinates, based on what are referred to
as Earth-centered, Earth-fixed coordinates, with the origin at the
centroid of mass (and rotation) of the Earth. For convenience and
convention, the x-axis projects from the centroid of rotation through
the Equator at the Prime (Greenwich) Meridian, while Y projects through
the Equator at 90 deg East. The Z axis projects through the rotational
axis... which isn't exactly through the North Pole. Transformation to
coordinates in any Datum that is objectively derived (NAD83, but *NOT*
NAD27, for example) is achievable using (generally) the procedures of
Molodensky (references provided upon request, or one may search the
NIMA.MIL website for "Geodesy for the Layman" for a basic treatment).
Transformations between datums are made by first converting from datum
coordinates to ECEF (Cartesian) and thence to the new coordinate system.

Now, for reasons of completeness, each datum has a point of origin and
an associated ellipsoid. This is crucial to our discussion today.

Finally, we discuss the Geoid. The Geoid is the non-smooth surface of a
model that can be measured, but not otherwise directly appreciated. The
surface of the Geoid is determined by measuring gravity and plotting its
varied surface with regard to the centroid of the Earth, and local
gravitic variations. Gravity anomalies are considered related to
variations in density of the Earth's crust. In general, GPS receivers
don't care a whit for the Geoid... it doesn't enter into their basic
calculations of position, velocity or time, save as a convenience to the
user. One reason for this is simply that the Earth is really a fluid
body and by periodically remeasuring local gravity at a large number of
sites, or by densifying the grid of measurements, we can derive new
models of the gravitic equipotential surface and evolve the geoid model.

A number of GPS receivers incorporate a basic geoid model in order to
specifially fill that element of the NMEA sentence regarding geoid
height (or seperation). In my experience, the model is coarse-grained
and lossy compared to the Geoid-96 and Geoid-99 models evolved by the
National Geodetic Survey. Still, for sea-borne navigation, it's
acceprably useful. Same for hiking... or even APRS. Not acceptable,
however, to the geodetic community.

Thus, we've now defines 3 surfaces (of 4) that we need for the
discussion at hand: The ellipsoid, the geoid and the physical surface
of the Earth. So what are we missing? "Mean" Sea Level!

Mean Sea Level (MSL) is determined over a 17.6 YEAR period by means of a
moving average that incorporates at a minimum, the maximum high-tide
peak and the minumim low-tide trough values referenced back to a nearby
(vetical) benchmark referenced to an accepted vertical datum (currently
NAVD-88, or WGS-84 [but only infrequently]). Please note that the
horizontal and vertical datums are not associated. Newer tide-guage
systems sample at rates of 30 sec. to 6 minutes, and record the data for
the moving average at that granularity. The moving average calculation
is for a given tidal gauge, and is done in isolation. Thus, local
gravity anomolies are not incorporated in the overall adjustment. As a
case in point of the degree of systemmatic isolation between stations, a
classical geodetic surveying level loop, designed to accurately measure
"vertical," failed to resolve the correct end-point height (failed to
"close the loop") when run from a site in Southern California to a site
in Northern California. By several feet. Note that this is a classic
example of why one shouldn't try to correlate vertical extents with
water-based normals.

End Part 2
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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183. [aprssig] New APRS Satellite Gateway.

From: "Richard Hoskin" <lhoskin@bigpond.com>
Date: Tue, 6 Feb 2001 22:56:51 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133247-2001.02.06-06.11.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gang,

The bad news on the APRS satellite front is that SUNSAT (SO-35) is no longer operational. It was last heard on the 19th of Jan.

The good news is that we now have a full time APRS ground station in operation.

The ground station is currently set up to track UO-22. It will digipeat all APRS packets heard via UO-22 (from stations in the same satellite footprint) with the path listed below onto the APRS VK3 VHF channel and the internet. The ground station is fitted with high gain tracking antennas which will track UO-22 from horizon to horizon. If there is good demand and continued success with UO-22 we will expand the system to other APRS related satellites.

Here are the details:

Ground station: VK3KVW
Packet path: APRS via UOSAT5,SGATE,WIDE2-2
Ground station lat/long: 37.43.83S / 143.48.04E
Operational: 24*7 (except when operator on 1 or more weeks holiday twice a year)

For information on how to program a Kenwood D7A(G) or D700 to use APRS via Satellite see http://web.usna.mil/~bruninga/astars.html

Cheers
Richard
VK3JFK

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184. [aprssig] findu archives

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Tue, 6 Feb 2001 06:49:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133265-2001.02.06-08.05.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,
 Last July when I took my trip to the east coast and my computer crashed while I was gone, someone mentioned a website that archived findu data for a two week or so period. I believe it was in Utah. Is that sight still available and what is the url? I am interested in data from afternoon of the 31st of Jan.
Chris N2YQP

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185. [aprssig] aprs.net stuck in a loop

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 07:57:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133266-2001.02.06-08.12.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

aprs.net may be stuck in a loop. The following packets repeat over and over.

!first.aprs.net:IGATE!N9IDH-4>APR848,AE9A-10,N9WKS*:>172131zWaukesha WX EN52vx <jamesc@execpc.com>
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YYZ,W2ICZ-2*:=4311.23N\07915.04W#000/000/Mickey-St.Catharines Ontario
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YAP,VE3YYZ*:=4311.23N\0791

```
5.04W#000/000/Mickey-St.Catharines Ontario
!first.aprs.net:IGATE!N9IDH-4>APR848,AE9A-10,N9WKS*:>172131zWaukesha WX EN52vx
<jamesc@execpc.com>
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YAP,VE3YYZ*:=4311.23N\0791
5.04W#000/000/Mickey-St.Catharines Ontario
KJ7KY-15>APRS,WHTNKS*,TRACE3-2:!3340.02NN11403.31W#PHG5760/Guadalupe Pk. VHF
/Digi 2440 Ft. AMSL
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YAP,VE3YYZ*:=4311.23N\0791
5.04W#000/000/Mickey-St.Catharines Ontario
!first.aprs.net:IGATE!N9IDH-4>APR848,AE9A-10,N9WKS*:>172131zWaukesha WX EN52vx
<jamesc@execpc.com>
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YYZ,W2ICZ-2*:=4311.23N\079
15.04W#000/000/Mickey-St.Catharines Ontario
!first.aprs.net:IGATE!N9IDH-4>APR848,AE9A-10,N9WKS*:>172131zWaukesha WX EN52vx
<jamesc@execpc.com>
!first.aprs.net:IGATE!VE3PPY>APR846,RELAY,WIDE,VE3YAP,VE3YYZ*:=4311.23N\0791
5.04W#000/000/Mickey-St.Catharines Ontario

Bill KC9XG
 Display current vehicle location :
 http://www.findu.com/cgi-bin/find.cgi?KC9XG-14


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```

186. [aprssig] Network down?

```
From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 08:14:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133267-2001.02.06-08.28.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I can't reach any of the servers.  The server or IGATE that is continually
sending the same packets has apparently crashed the network.


Bill KC9XG

 Display current vehicle location :
 http://www.findu.com/cgi-bin/find.cgi?KC9XG-14


---
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```

187. [aprssig] DSP-2232 Modem Selection Commands

```
From: "hasan schiers" <schiers@netins.net>
Date: Tue, 6 Feb 2001 08:13:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133268-2001.02.06-08.30.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I can't find my manual for the DSP 2232 modem.

I want to run some tests and need to select the modem number for Port 2 1200
baud single port packet.

I am currently using modem 33 which is dual port 300/1200 ...for p1 and p2
respectively.

The default is for 1200 baud port 1...

Could someone send me either than modem number for port 2 at 1200 baud
packet, or the entire modem list, if you have it. (I  hate moving)

73
hasan schiers, N0AN
schiers@netins.net


---
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```

188. [aprssig] Network functioning again

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 08:38:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133269-2001.02.06-08.52.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The network has returned to near normal. The application that was apparently
looping packets appears to have been taken off line.

Bill KC9XG

 Display current vehicle location :
 http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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189. [aprssig] Re: Part 2: A primer on GPS vertical and pressure altimetry

From: "The Germino's" <mgermino@inreach.com>
Date: Tue, 6 Feb 2001 06:36:13 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-133270-2001.02.06-08.54.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I must admit that I only read the primer once and this will a two or three
read to digest this info. My question is this My Datum (on my GPSII PLUS)
was set on "NAD27 CONUS" I changed it to "WGS 84"   "In practical terms
what will I gain with my Tracker (KPC-3)." I run both $GPRMC and $GPSGGA in
the GPSHEAD command set.

Mike
AD6AA

.....
referenced back to a nearby
> (vertical) benchmark referenced to an accepted vertical datum (currently
> NAVD-88, or WGS-84 [but only infrequently]).

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190. [aprssig] Re: Part 2: A primer on GPS vertical and pressure altimetry

From: "The Germino's" <mgermino@inreach.com>
Date: Tue, 6 Feb 2001 06:44:56 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133274-2001.02.06-09.03.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

?

 I must admit that I only read the primer once and this will a two or three
 read to digest this info. My question is this My Datum (on my GPSII PLUS)
 was set on "NAD27 CONUS" I changed it to "WGS 84"   "In practical terms
 what will I gain with my Tracker (KPC-3)." I run both $GPRMC and $GPSGGA
in
 the GPSHEAD command set.

 Mike
 AD6AA

 >..... referenced back to a nearby
>(vertical) benchmark referenced to an accepted vertical datum (currently
>NAVD-88, or WGS-84 [but only infrequently]).

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191. [aprssig] Part 3: A primer on GPS vertical and pressure altimetry

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Tue, 06 Feb 2001 08:54:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-133275-2001.02.06-09.08.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So, how do we determine ORTHOMETRIC height? In fact, What *IS* orthometric height, and why do we care? -- Good questions...

First, ORTHOMETRIC height is the height above the geoid surface. Not the ellipsoid, and not above MSL. In face, while we're here, the geoid surface is about where Mean Sea Level should be, if it were a perfect world, and water flowed in a really consistent manner... An orthometric height of "0" (zero; null) would and usually does occur at the coastline.

Now, we've discussed that the geoid, while measurable, cannot otherwise be appreciated. So, you cannot drill and suddenly "hit" the geoid, nor dig down and find a color change when you get there. It's measurable, by ascertaining local absolute gravity, but that's a somewhat tedious process, so one uses the data extrapolated from a model like Geoid99 (for those of us in the Continental US, Canada and Mexico... areas of the Caribbean are still subject to different models...) and ascertain the geoid99 value for geoid seperation (height), which is the difference between the distance of the geoid surface from the centroid of the Earth and the distance of the ellipsoidal surface from the centroid. In general terms, the geoid is below the ellipsoid in the vast majority of the CONUS.

By convention, orthometric height is calculated by measuring the height above the ellipsoid, and subtrracting the geoid seperation. Now: Since the geoid is below the ellispoid, subtracting its value of seperation results in an addition. Thus, for an ellispoid height (HAE) of 100 meters, and a geoid seperation of -24 meters, the orthometric height is 124 meters. (Those of you old enough to remember, and still possessing a sense of humor at this point in the lecture, are referred to Tom Lehrer's classic pieces on "New Math" and Lobachevsky.)

In order to accurately ascertain HAE, which is, of course, the only measurable parameter using GPS, one uses several observations on a point of interest referenced to a set of monuments that have fixed ellipsoidal height information already ascertained... and which are physically stable enough to not have been subject soil thrust and heave, or other vertical motion. These monuments are historically referred to as "Benchmarks" while those stable in horizontal are simply referred to as "monuments." Not all benchmarks are created equally, and some, which were used originally for ascertaining vertical in local areas, are not really good benchmarks physically. In MY area, there's an entire line parallelling a railroad line, placed by the US Coastal and Geodetic Survey (NGS's predecessor) that was good enough for the original survey, but inadequate for subseuent surveys. Still, when one of 'em was damaged, it was replaced... but considered unworth of being surveyed back into the networ and its vertical value was assigned by interpolation of quad maps! Or, in other words, accurate to about 40 or 50 feet... In today's world, we are concerned with accuracies of ellipsoid height measured in increments of *2 centimeters*.

Using benchmarks with validly assigned HAE values, based on GPS observation and network adjustment, we construct a network that encloses the point of interest. The baselines between the control points are measured by collecting the GPS observables on both the L1 and L2 frequencies (and L5 when it becomes available, will be an added benefit and VERY useful). In post-processing, these observables are reduced to an integer-fixed solution of carrier phase data, resulting in centimeter, or subcentimeter- reproducible baseline lengthsbetween points. Using the method of least squares, and cosntraining the known benchmark values that are of the highest order and control sites, a best fit for the coordinates of the point of interest can be found, and error values assigned in horizontal and vertical. If the error values are within the tolerances allowed by NGS rules, if the survey followed appropriate procedures, and if the data are all unambiguous and the results reproducible, the survey is accepted... If not, it's repeated.

Now that you've abstracted the Height Above Ellipsoid, located the value from Geoid99 for the geoid seperation of your point of interest, and done the basic algebra, NOW you can talk about HEIGHT (vertical) and can compare it to Mean Sea Level.

Oh, yes... did I mention that we're no longer referenced, nationally to
MSL? No? I'm sorry, but somewhere around 1990, we retired the National
Geodetic Vertical Datum of 1929, also known as the Sea Level Datum, in
favor of the North American Vertical Datum of 1988, which is based on
orthometric heights, and subject to periodic reobservation (using GPS or
whatever follows) and subsequent network readjustment and republication
of orthometric heights.

I'll be placing all this on http://page4.cs.tamu.edu/ortho.html, with
illustrations, over the next week.
--
Gerry Creager -- gerry@cs.tamu.edu
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and Learning Technologies |Geodetic Control
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192. [aprssig] Re: VE4GLS-1 bulletin board downloading files on APRServe

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 06 Feb 2001 07:42:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133277-2001.02.06-09.21.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:00 PM 2/5/01 -0700, *I* blasted the following out into the ether:
>At 03:55 PM 2/5/01 -0600, Bill Diaz blasted the following out into the ether:
>>VE4GLS-1 is currently downloading a file to VE4AOJ. The downloads are
>>appearing on the network feed. Sure creates a problem for those who use the
>>APRServe network for it's intended purpose.
>
>   Might be time to invoke the dreaded BUDLIST out there somewhere...

      Since yesterday morning, I've received an email direct from VE4GLS,
Gord. Seems he wasn't aware his signals were going over the TCP/IP
feed. In fact, he had taken steps to prevent this, but they got through
anyway! My apologies for jumping too fast.

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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193. [aprssig] Re: Part 2: A primer on GPS vertical and pressure a ltimetry

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 6 Feb 2001 10:11:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-133278-2001.02.06-09.24.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think this needs to be one of those things that needs to be a part of the
next
WG effort....   NAD (NORTH AMERICAN DATUM) doesn't fit into the WORLD
view of APRS very well.... and let nobody misunderstand... the wrong
selection
of DATUM... doesn't just impact the altitude... some datums also impact the
lateral position ...

If APRS is to work well... everyone should be on the same datum worldwide...

AND, all maps should also be referenced to this datum.. coming from a
couple

of decades in the military... I can tell you horror stories (sad but true)
about
the problems associated with coordinates being called out from one datum/map
coordinate system... and then plotted on maps from another datum/map
coordinate
system... suffice to say... it's not a pleasant memory....

It's been brought up before here... but I'll do it again... let's make WGS84
(W is
for WORLD) the standard for all GPS's, and APRS positions reported.... and
let's hope every map that's made available is also referenced to that same
datum...

I'll make the offer again (as I did for the last Working Group).... there
are several
folks here on the SIG..... Gerry is a SUPER example.... of those who have
lot's
to offer a WG ... if it's not closed to just a select group of software
artists... my
offer still stands... I will work as part of the next WG to assist.... and
just like
before... I'll do it on my own dime... not need any TAPR funds to help
defray
my participation...

ALOHA
AH6LS

> Subject: [aprssig] Re: Part 2: A primer on GPS vertical and pressure
> altimetry
>
> read to digest this info. My question is this My Datum (on my GPSII PLUS)
> was set on "NAD27 CONUS" I changed it to "WGS 84"   "In practical terms
> what will I gain with my Tracker (KPC-3)." I run both $GPRMC and $GPSGGA
> in
> the GPSHEAD command set.
>

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194. [aprssig] Re: Part 2: A primer on GPS vertical and pressure a ltimetry

From: Joel Maslak <jmaslak@antelope.net>
Date: Tue, 6 Feb 2001 08:45:57 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133286-2001.02.06-09.54.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Sadowski, Allan wrote:

> WG effort....   NAD (NORTH AMERICAN DATUM) doesn't fit into the WORLD
> view of APRS very well.... and let nobody misunderstand... the wrong
> selection

Last time I looked at the spec on NMEA, I thought NMEA always used WG84,
regardless of what the devices were displaying...

--
Joel

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195. [aprssig] Datum Standard for APRS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 6 Feb 2001 10:46:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <LYR842-133288-2001.02.06-10.00.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Joel....

If it wasn't for the fact that already there have been postings here that
folks
have been using other datums (example - the guy who said he'd been using
NAD27)... I wouldn't have bothered....

I don't have a copy of the NMEA-0183 spec.... the $100 (I think) cost is a
bit much
to justify at the moment... I do recall it was electrical interface and
talks to the
strings coming from the various devices... but no recollection that the
datum
was spec'd....   I defer to your knowledge on this one...

TNX

ALOHA
AH6LS

> From: Joel Maslak [SMTP:jmaslak@antelope.net]
> On Tue, 6 Feb 2001, Sadowski, Allan wrote:
>
> > WG effort....   NAD (NORTH AMERICAN DATUM) doesn't fit into the WORLD
> > view of APRS very well.... and let nobody misunderstand... the wrong
> > selection
> Last time I looked at the spec on NMEA, I thought NMEA always used WG84,
> regardless of what the devices were displaying...
> --
> Joel

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

196. [aprssig] Re: Datum Standard for APRS

From: Joel Maslak <jmaslak@antelope.net>
Date: Tue, 6 Feb 2001 08:57:54 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133291-2001.02.06-10.06.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Sadowski, Allan wrote:

> strings coming from the various devices... but no recollection that the
> datum
> was spec'd....   I defer to your knowledge on this one...

I didn't say that every manufacturer follows the spec, though.

--
Joel Maslak
N7XUC

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

197. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 10:55:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133292-2001.02.06-10.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 5 Feb 2001, Bill Diaz wrote:

> > The WG is willing to address it, but someone somewhere has to sit down
> > and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
> > APRServe and fathered the current system has not stepped forward to do
> > this. There are now others who are knowledgible enough about the network
> > who could do this..
>
> Perhaps you could inform us as to the current composition of the WG?

See the TAPR site

> When was the draft proposal discussed with these members?

What draft? That is what we are hoping someone will step forward and
volunteer to do.

> Did the WG meet at DCC, or Dayton?

DCC. but if you read the WG charter, we meet in continuous electronic
session.

> > We have asked for volunteers on this SIG many times. Until someone finds
> > the time or steps forward to put together a draft, then the WG has nothing
> > to review or work with...
>
> I was one who volunteered and I am aware of several others who offered to
> contribute thier services as well. I beleive John Ackerman was the one who
> solicited for volunteers.

Volunteering and doing are two different things. In general, because
there are thousands of volunteers in such groups as TAPR, the way things
really get done is by the "doers" not the "volunteers". It is just a fact
of life, that those that get around to doing something will usually then
take charge and move out.

There are countless examples of deadends where concepts are voluntered,
but because there is no follow through, nothing results. Yet conversly,
most successful projects in volunteer organizations come about because
someone takes the ball and does the initial work and then gathers the
support needed to follow it through.

> If the WG is non-functional, it is time to create a new WG. Perhaps, TAPR will
> once again take the lead?

The working group exists. We need a volunteer to prepare the DRAFT SPEC
for the APRServe system like Ian did for the APRS SPEC. Once we have a
DRAFT SPEC for public review and comment, then we can make progress.

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

198. [aprssig] RE: Datum Standard for APRS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 6 Feb 2001 11:01:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <LYR842-133293-2001.02.06-10.15.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joel....

Every GPS I've ever used.... had multiple Datums in them... as to which
one is used... I don't think it's in the NMEA - 0183 standard.... I say
that
as a mariner... many charts around the world... are very old and have never
been converted to WGS datum... (most of the islands in the Pacific for
example).. so it's up to the navigator to have an understanding of the
issue
and take care of themselves...

I think GPS's have made navigation available to many people that haven't
had any formal training on navigation or the related issues... I applaud
Gerry for helping raise the knowledge level on some of the more technical
issues... and I always learn something from his postings....

I'm not sure what you meant about the mfr's not following the spec... but
I certainly agree that few follow the electrical spec.... and unfortnately
many (because there is some allowance in the spec)... are loose on
what the strings are that their devices kick out....

For these reasons and more... NMEA is doing a new spec... and as I
vaguely recall... it'll be buss based rather than serial.... but that's a
separate issue....

ALOHA
AH6LS

> From: Joel Maslak [SMTP:jmaslak@antelope.net]
>
> Subject: Re: [aprssig] Datum Standard for APRS
>
> On Tue, 6 Feb 2001, Sadowski, Allan wrote:
>
> > strings coming from the various devices... but no recollection that the
> > datum
> > was spec'd.... I defer to your knowledge on this one...
>
> I didn't say that every manufacturer follows the spec, though.
>
>

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199. [aprssig] Loop's back...

From: Gary Arnold <garnold@naples.net>
Date: Tue, 06 Feb 2001 11:09:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133294-2001.02.06-10.23.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What ever was looping the VE3 and N9 this morning now appears to be
looping WS5R-9 and W5RP-1...

--
Gary S. Arnold CEM/FPEM
Collier County Emergency Management
garnold@naples.net
Primary: http://www.collierem.org/
Mirror: http://www.colliergov.net/emergency/

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200. [aprssig] APRS growing?

From: Alex <kg4ecv@earthlink.net>
Date: Tue, 06 Feb 2001 11:15:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133295-2001.02.06-10.25.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Just wondering....is APRS actually growing?

At any one time I connected to the internet feed since I started in APRS
I have been seeing about 2500 to 3000 stations. I realize that not
everyone gets into the
internet feed, but I guess I expected to see some sort of growth in the
number of stations over the course of a year.

73,
--Alex

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201. [aprssig] Cleared again?

From: Gary Arnold <garnold@naples.net>
Date: Tue, 06 Feb 2001 11:23:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133301-2001.02.06-10.37.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now it looks like the loop has cleared again...any ideas anyone?

--
Gary S. Arnold CEM/FPEM
Collier County Emergency Management
garnold@naples.net
Primary: http://www.collierem.org/
Mirror: http://www.colliergov.net/emergency/

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

202. [aprssig] Re: Fw: [htaprs] New IGATE Service

From: Steve Bragg <steve@hamhud.net>
Date: Tue, 06 Feb 2001 10:28:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133302-2001.02.06-10.43.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

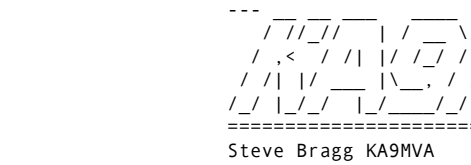
Bob Bruninga wrote:

> > > > ANNOUNCING --
> > > >   Igate whois service.

> I havent tried this yet, but I hope the response tries (if possible) to
> parse the data somewhat and try to match the display boundaries of the D7
> and D700. This will MAXIMIZE the WOW factor.
>
> Nothing like showing off stuff with your HT.

Kenwood owners aren't the only ones who can have the fun, though. I
know this doesn't apply to very many people (yet), but I got a 'Wow' out
a non-ham friend by showing him on my HamHUD. I'm pretty sure there's no
formatting, just a string; this works fine on the HamHUD, since the
latter just scrolls strings longer than the screen in "bank sign" style.

73,

Steve Bragg KA9MVA

==========
Steve Bragg KA9MVA   ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9

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203. [aprssig] RE: Loop's back...

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 10:35:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133303-2001.02.06-10.49.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gary,
  I see this on third.aprs.net. The packets are coming from newyork.aprs.net.

!newyork.aprs.net:IGATE!W5RP-1>APRS,WIDE3-2:!3030.30NN09913.25W# APRS digi
Doss, Texas (UIDIGI 1.7B3)
!newyork.aprs.net:IGATE!WS5R-9>GPSLP,KB5WIO-7*,WIDE:$GPRMC,155541,A,3516.587

```
,N,10132.459,W,055.6,359.5,060201,008.2,E*64
!newyork.aprs.net:IGATE!WS5R-9>GPSLP,KB5WIO-7*,WIDE:$GPRMC,155541,A,3516.587
,N,10132.459,W,055.6,359.5,060201,008.2,E*64

Other servers are only affected to a small degree.  third.aprs.net is consumed
with these packets.

Bill KC9XG

On Tuesday, February 06, 2001 10:09 AM, Gary Arnold [SMTP:garnold@naples.net]
wrote:
> What ever was looping the VE3 and N9 this morning now appears to be
> looping WS5R-9 and W5RP-1...
>
> --
> Gary S. Arnold CEM/FPEM
> Collier County Emergency Management
> garnold@naples.net
> Primary: http://www.collierem.org/
> Mirror:  http://www.colliergov.net/emergency/
>
>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

204. [aprssig] Re: NEW version of WinAPRS up on tapr

```
From: Steve Bragg <steve@hamhud.net>
Date: Tue, 06 Feb 2001 10:38:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133304-2001.02.06-10.53.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

Gerry Creager wrote:

> > This is ALTITUDE as reported by the GPS, therefore it is above sea level.
> Really, Height Above Ellipsoid. <snip>
> For those wondering, there's no way GPS can tell how high you ar above
> ground.

Right. In a sense, all GPS can measure is pseudorange and deriviatives
thereof, like velocity and acceleration. But, since:

* The GPS sats are in orbits about the Earth's center of mass (mostly in
the metallic core), and
* The Earth's shape is pretty well defined, and
* The oceans cover 3/4 of the Earth's surface,

you can approximate height above sea level to a fairly decent accuracy.

73,

Steve Bragg KA9MVA
--
Steve Bragg, Senior Electronics Engineer
Internet Telemetry Corporation, of F.W. Murphy, Mfr.
5311 S. 122nd E. Ave
Tulsa, OK 74146 www.itelemetry.net
```
--- __ __ ___   _____ __ ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
=====================================================
```
Steve Bragg KA9MVA   ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

205. [aprssig] Re: Loop's back...

From: Guy Story <kc5goi@tapr.org>
Date: Tue, 6 Feb 2001 10:46:14 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133305-2001.02.06-11.00.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could this be a result of too many cross connected servers?

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

206. [aprssig] Re: Fw: [htaprs] New IGATE Service

From: Alex <kg4ecv@earthlink.net>
Date: Tue, 06 Feb 2001 11:57:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133306-2001.02.06-11.07.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve Bragg wrote:

> I'm pretty sure there's no
> formatting, just a string; this works fine on the HamHUD, since the
> latter just scrolls strings longer than the screen in "bank sign" style.

I've been formatting some output for a D7, and it's a rather painful
process. Not that it is undoable, but it puts quite a few limitations on
how you can represent your data.....that and you have to take the bugs
into account when formatting for the D7. And when it looks good on a D7,
it looks kinda goofy on other displays sometimes. I wish Kenwood would
have come up with the scrolling text idea for the D7.

>
> 73,
>
> Steve Bragg KA9MVA

73,
--Alex

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

207. [aprssig] RE: NEW version of WinAPRS up on tapr

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 11:15:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133315-2001.02.06-11.30.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

On Tuesday, February 06, 2001 9:56 AM, Bob Bruninga [SMTP:bruninga@usna.edu]
wrote:
> On Mon, 5 Feb 2001, Bill Diaz wrote:

> > > The WG is willing to address it, but someone somewhere has to sit down
> > > and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
> > > APRServe and fathered the current system has not stepped forward to do
> > > this. There are now others who are knowledgible enough about the network

> > > who could do this..

> > Perhaps you could inform us as to the current composition of the WG?

> See the TAPR site

The TAPR site is outdated. There is no current list of WG members on the site.
 The last WG document posted at http://www.tapr.org/tapr/html/Faprswg.html is
dated April, 1999. The last specification posted is dated August 31, 2000.

I maintain that the WG is non-functional and has been for some time. Its last
official action is dated August 31, 2000

> > When was the draft proposal discussed with these members?

> What draft? That is what we are hoping someone will step forward and
> volunteer to do.

Here is what you stated in your Sig posting yesterday.
The WG is willing to address it, but someone somewhere has to sit down
and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
APRServe and fathered the current system has not stepped forward to do
this. There are now others who are knowledgible enough about the network
who could do this..

This is the draft I was referring to. When was this discussed with the working
group?

> > Did the WG meet at DCC, or Dayton?
>
> DCC. but if you read the WG charter, we meet in continuous electronic
> session.

Must have been a very short meeting.

> > > We have asked for volunteers on this SIG many times. Until someone finds
> > > the time or steps forward to put together a draft, then the WG has
> > > nothing to review or work with...

> > I was one who volunteered and I am aware of several others who offered to
> > contribute thier services as well. I beleive John Ackerman was the one who
> > solicited for volunteers.

> Volunteering and doing are two different things. In general, because
> there are thousands of volunteers in such groups as TAPR, the way things
> really get done is by the "doers" not the "volunteers". It is just a fact
> of life, that those that get around to doing something will usually then
> take charge and move out.

Obviously, such an effort needs to be sanctioned by some group. Since the WG
seems not to be functioning in any meaningful way, it is time to form a new
group of qualified volunteers who are interested in providing the necessary
expertise to create the framework for an APRServe specification.

> There are countless examples of deadends where concepts are voluntered,
> but because there is no follow through, nothing results. Yet conversly,
> most successful projects in volunteer organizations come about because
> someone takes the ball and does the initial work and then gathers the
> support needed to follow it through.

> > If the WG is non-functional, it is time to create a new WG. Perhaps, TAPR
> > will once again take the lead?

> The working group exists. We need a volunteer to prepare the DRAFT SPEC
> for the APRServe system like Ian did for the APRS SPEC. Once we have a
> DRAFT SPEC for public review and comment, then we can make progress.

I would still like to know who the active members of the WG are besides
yourself.

Such a draft spec should not be developed by a single person. It should be
created by a group of qualified individuals who are interested in improving the
integrity of the APRServe network.

Bill KC9XG

> de WB4APR@amsat.org, Bob

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208. [aprssig] Call for volunteers to form adhoc APRServe Working group

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 11:41:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133318-2001.02.06-11.56.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to work with a small, adhoc group of volunteers to develop an
APRServe specification proposal.

Ideally, the adhoc WG would be composed largely of amateurs who are programmers
with APRS and TCP/IP experience. There is also a need for a technical writer
who is familiar with the APRS specification.

The APRServe specification proposal would be created to address areas of
concern such as crosslinking, relaying of APRS specification compliant packets,
rejection of non-compliant packets, and other matters that affect the integrity
of the APRServe network.

Bill KC9XG

 Display current vehicle location :
 http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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209. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Tue, 6 Feb 2001 13:21:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133331-2001.02.06-12.43.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:41 AM -0600 2/6/01, Bill Diaz wrote:
>I would like to work with a small, adhoc group of volunteers to develop an
>APRServe specification proposal.
>
>Ideally, the adhoc WG would be composed largely of amateurs who are
>programmers
>with APRS and TCP/IP experience. There is also a need for a technical writer
>who is familiar with the APRS specification.
>
>The APRServe specification proposal would be created to address areas of
>concern such as crosslinking, relaying of APRS specification
>compliant packets,
>rejection of non-compliant packets, and other matters that affect
>the integrity
>of the APRServe network.
>
>Bill KC9XG
>
> Display current vehicle location :
> http://www.findu.com/cgi-bin/find.cgi?KC9XG-14
>

The formal APRS specification includes most of this information.
Specifically it includes the format for 3rd party traffic which is
the only extra data that was specifically designed for internet use.
(it is also used on the air).

Beyond that, the internet traffic should be APRS packets as they come
out of the TNC in monitor mode.

The only thing that a committee such as you are proposing should
address is network links between servers. So far this has been done
by each server writer and there is nothing compelling them to be
compatible with other servers other than the ability to connect to
another server as an APRS client.

WinAPRS does send some data to the internet that it does not send to
RF but only because of volume of data, the format is still the same.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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210. [aprssig] APRServe Network

From: "Peter Loveall" <HamLists@ametx.com>
Date: Tue, 6 Feb 2001 12:38:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133333-2001.02.06-12.52.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not an expert on APRServe, but my understanding is the following:

There are 3 primary servers: first, second, and third.aprs.net located at
different locations. first.aprs.net is also the primary javAPRS server due
to the network connection restrictions of Java.

The next "level" of APRS servers are secondary APRServe servers and aprsd
servers. Both of these can be set up to HUB connect instead of multicast
upstream (I know aprsd can be set to HUB, I am not sure about APRServe).

The final level of APRS "servers" are actually clients such as WinAPRS,
APRSPlus, UI-View, and aprsd servers being used solely as clients.

If this view of the APRS server world is correct, though maybe not well
implemented, my recommendation is as follows:

second.aprs.net IGates to first.aprs.net. third.aprs.net HUBs to
second.aprs.net and to first.aprs.net. first.aprs.net removes all IGates
as it does no "upstream" transmission. This ensures increase bandwidth on
first.aprs.net as well as limiting the amount of duplicate transmissions.
first.aprs.net would get back sufficient bandwidth to support the javAPRS
clients.

All second tier aprsd and APRServe servers HUB to the 3 primary servers
only. This reduces duplicate feeds into the network. The
aprsdxxx.dididahdahdidit.com list is a place to start for this list of
second tier servers. I recommend that aprs.net takeover this function
through their DNS server.

Third tier "servers" would only connect to second tier servers. If
aprs.net took over the second tier DNS, they could implement a
aprsdxx.aprs.net scheme where xx are 2 digits allowing clients to be
relatively "ignorant" of where they are connecting. This is the case
today, but most clients are pointed to first.aprs.net and second.aprs.net,
overloading those servers.

This is just a recommendation, but maybe something that could enhance
everyone's enjoyment of this aspect of our hobby.

73,

Pete Loveall
pete@ae5pl.net
www.ae5pl.net

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211. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Joel Maslak <jmaslak@antelope.net>
Date: Tue, 6 Feb 2001 11:51:55 -0700 (MST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133334-2001.02.06-13.00.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I saw the initial post, and I feel that this is something that we need to
address.

On Tue, 6 Feb 2001, Mark Sproul wrote:

> The formal APRS specification includes most of this information.
> Specifically it includes the format for 3rd party traffic which is
> the only extra data that was specifically designed for internet use.
> (it is also used on the air).

I agree that the on-air side is documented, although the TCP/IP side is
not.

> Beyond that, the internet traffic should be APRS packets as they come
> out of the TNC in monitor mode.

Agreed - this mode should be kept, although others may be added. There
would be nothing wrong with an Internet server supporting multiple
protocols to transport the APRS packets (I still believe a compressed
system would make a lot of sense - compress each packet individually, so
that it doesn't need to be compressed for every client connected).

> The only thing that a committee such as you are proposing should
> address is network links between servers. So far this has been done
> by each server writer and there is nothing compelling them to be
> compatible with other servers other than the ability to connect to
> another server as an APRS client.

Some other questions, besides server linking:

- How do you convert Mic-E packets (or do you?)
- Can we use a multicast transport to significantly cut bandwidth
utilization at the server level?
- How can we prevent loops? The current dupe checking doesn't always
work.
- When should an internet server/client respond to a query?
- How can we know if a packet came directly from an Internet station, and
not from the air (meaning this station has more bandwidth available)
- What is the format of a whois query? Let's document it so that
developers have more to go on.
- What is the format of a email message?

Some future concerns:

- How can multiple igates in an area cooperate? It would be very nice if
they talked to each other a little bit and elected a "master" igate for
each digi that they could hear - and allowed the others to serve as a
backup, without transmitting duplicate packets. This would be a fairly
simple protocol to implement, but it should be documented.

- How can the main servers perform load balancing? It would be awesome if
the main servers could tell a client, "I'm getting overloaded/shutting
down/etc, move over to server foo."

- How could we set up a backup email server? A backup whois server?

- Can we implement a bridging architecture, to eliminate dups? Maybe a
spaning tree?

--
Joel Maslak
N7XUC

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212. [aprssig] Tripmate

From: "Paolo Torres" <towman@hawaii.rr.com>
Date: Tue, 6 Feb 2001 12:47:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133335-2001.02.06-13.01.32--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Looking for someone who could tell me how to modify Tripmate
 to work with APRS.

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213. [aprssig] RE: Call for volunteers to form adhoc APRServe Working group

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 13:15:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133338-2001.02.06-13.29.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,

On Tuesday, February 06, 2001 12:22 PM, Mark Sproul
[SMTP:msproul@jove.rutgers.edu] wrote:
> At 11:41 AM -0600 2/6/01, Bill Diaz wrote:
> >I would like to work with a small, adhoc group of volunteers to develop an
> >APRServe specification proposal.
> >

>
> The formal APRS specification includes most of this information.
> Specifically it includes the format for 3rd party traffic which is
> the only extra data that was specifically designed for internet use.
> (it is also used on the air).

> Beyond that, the internet traffic should be APRS packets as they come
> out of the TNC in monitor mode.

This is one of the problems with the data currently provided by APRServe. If
you will use the WinAPRS 2.4.8 errorlog, you will see that many packets are
rejected due to TNC monitor mode formatting that WinAprs can not decipher..

WinAprs 2.4.6 regularly outputs packets with control characters embedded in the
payload. Various WinAprs versions output partial packets. Not unusual to see
just the last 10 characters or so of a WinAprs packet. WinAprs seems to
improperly convert AEA packet headers.

Each application that relays an APRS packet should remove non-essential TNC
formatting information.

Conversion of raw Mic-E packets should be eliminated. Yesterday, a single raw
Mic-E packet resulted in a total of 7 converted packets appearing on the feed.
 Each one was slightly different. WinAprs does not properly decode the Mic-E
custom status packets and also seems to convert lat, and lon differently than
other applications. Some versions of aprsd embed "dsy" in the converted
packet. Some conversions use upper case, some use lower case, some use mixed
case. Timestamps never agree. Dupe checking fails for the above reasons.

Some aprsd IGATEs continually output packets that begin with garbage
characters. They also output numerous messages that do not comply with the
APRS specification.

If a packet does not meet the basic APRS specification formatting requirements,
it should not be relayed by compliant applications or servers. Applications
should not be required to display or process packets that are not compliant.

Yesterday, the network was brought to its knees by a station downloading a file
to another user. We are continually bombarded with BBS traffic that is not
APRS compliant. If users want this on a local network, that is ok, but don't
place these packets on the APRServe network.

Today, we had an application continually looping the same packets to the
network. Dupe checking did not work, and the network failed.

There is a need to limit the occupied bandwidth of local and APRServe networks.

> The only thing that a committee such as you are proposing should
> address is network links between servers. So far this has been done
> by each server writer and there is nothing compelling them to be
> compatible with other servers other than the ability to connect to
> another server as an APRS client.

I agree that the committee should address the linking issues but that is not
nearly far enough.

A large part of the problems with the network are caused by developers who are
not constrained by an APRServe specification or the need to adhere to the APRS
specification. This severely limits the integrity of the network.

The creation of an APRServe network specification proposal would permit
developers to voluntarily adopt the specification. Servers that complied with
the specification would provide a clean, APRS compliant feed. Users would not
be required to connect to these servers, but could continue to use the existing
feeds.

Bill KC9XG

> WinAPRS does send some data to the internet that it does not send to
> RF but only because of volume of data, the format is still the same.

> Mark
> --
> ---
> Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
> Manager - Engineering Computing Services | 732-445-3121
> Eng B-124-C |
> ---

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214. [aprssig] Re: Tripmate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 6 Feb 2001 14:25:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133339-2001.02.06-13.39.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Looking for someone who could tell me how to modify Tripmate
> to work with APRS.

If you mean autostart, just short the TxDat and RxDat pins together.
These are pins 2 and 3 on the DB-9 connector. This makes the
TripMate power up and start transmitting. The TripMate will see it's
own power on string it transmits and start streaming info.

If you mean anything more...

One common mod is to open the TripMates up and remove the
battery pack (just unplug the pack at the connector). Then take a
standard 'dip shunt' (available at Radio Shack, the little slide on
things for post that are 1/10" spacing) and place it between the
CENTER PIN of the connector where the battery pack plugged in
to the pin that used to go to the RED wire. The center pin of the
connector is connector comes from pin 9 on the DB-9, which is
RI, and not really used.

Now you can power your TripMate from an external power source
through pin 9 on the connector. (This is EXACTLY what DeLorme
tells you to do if you buy their kit.) NO MORE BATTERIES!!!

Do NOT apply more than 8v to the TripMate or it will toast!! I
routinely power mine with 5v off the keyboard connector from my
laptop. However some people report that the TripMates work
much better at just above 6v, but I do not know that for a fact.

There are all kinds of mods to hack the TripMate to build the regulator
into it, and you can choose to go that way too. But when you can
do EVERYTHING you need to do to a STOCK TripMate, and
easily be able to undo it without ANY detectable changes once it's
undone, well, that means a lot to me.

This is so simple you can do this to a BORROWED TripMate and
not have to worry.

That is, as long as you don't do something really braindamaged like
feed 12v to the thing!

If you power externally, you can do what I did. I took a DB-9 shell and
put a MALE on one end, and a FEMALE on the other. I tied lines
1-8 from one to the other. Pin 9 I did NOT pass through, instead taking
it from the TripMate over to a small 'mini-din' connector that I plug
into
the back of my laptop, and pick up the 5v to power the thing. If
your laptop (if your using one) supports an external keyboard, it's
gotta be able to power it!

Mike

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215. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Jon Anhold <jon@snoopy.net>
Date: Tue, 6 Feb 2001 14:32:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133340-2001.02.06-13.46.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think this is a pretty good idea. If nothing else, the network topology
deserves some discussion.

Count me in.

-j

Previously, Bill Diaz (billdiaz@megsinet.net) wrote:
> I would like to work with a small, adhoc group of volunteers to develop an
> APRServe specification proposal.
>
> Ideally, the adhoc WG would be composed largely of amateurs who are programmers
> with APRS and TCP/IP experience. There is also a need for a technical writer
> who is familiar with the APRS specification.
>
> The APRServe specification proposal would be created to address areas of
> concern such as crosslinking, relaying of APRS specification compliant packets,
> rejection of non-compliant packets, and other matters that affect the integrity
> of the APRServe network.
>
> Bill KC9XG
>
> Display current vehicle location :
> http://www.findu.com/cgi-bin/find.cgi?KC9XG-14
>
>
> ---
> You are currently subscribed to aprssig as: jon@snoopy.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--
It was recently discovered that research causes cancer in rats.

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216. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Bruno Quesnel <quesnelb@ve2.ele.etsmtl.ca>
Date: Tue, 06 Feb 2001 14:50:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133341-2001.02.06-14.05.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would volunteer to be an membre of the possible forming of this group.

Bill Diaz wrote:

> I would like to work with a small, adhoc group of volunteers to develop an

> APRServe specification proposal.
>
> Ideally, the adhoc WG would be composed largely of amateurs who are programmers
> with APRS and TCP/IP experience. There is also a need for a technical writer
> who is familiar with the APRS specification.
>
> The APRServe specification proposal would be created to address areas of
> concern such as crosslinking, relaying of APRS specification compliant packets,
> rejection of non-compliant packets, and other matters that affect the integrity
> of the APRServe network.
>
> Bill KC9XG
>
> Display current vehicle location :
> http://www.findu.com/cgi-bin/find.cgi?KC9XG-14
>
> ---
> You are currently subscribed to aprssig as: quesnelb@ve2.ele.etsmtl.ca
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--
Bruno Quesnel   va2bmg@videotron.ca
Genie Electrique   quesnelb@ve2.ele.etsmtl.ca
Electrical Engineering
Ecole de Technologie Superieure   VA2 BMG

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217. [aprssig] Altitude Bug

From: "Michael Jones" <k6il@arrl.net>
Date: Tue, 6 Feb 2001 11:58:54 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133343-2001.02.06-14.15.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just noticed that for the packet
K6MZ>GPSLJ,WA6YLB-4,WIDE4*:$GPGGA,195039,3439.6198,N,11807.4735,W,1,07,1.0,7
72.5,M,-30.5,M,,*7C
Findu and WinAPRS 2.4.8 are reporting different altitudes.
Findu reports 2395
WinAPRS reports 2532

Mike
K6IL

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218. [aprssig] APRServe Draft SPec

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 15:50:52 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133353-2001.02.06-15.04.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob wrote:
> > > > The WG is willing to address it, but someone somewhere has to sit down
> > > > and write up a "draft" or a "strawman" to discuss....

Bill wrote:
> > > Perhaps you could inform us as to the current composition of the WG?
> The TAPR site is outdated. There is no current list of WG members on the
> site. The last WG document posted is dated April, 1999. The last
> specification posted is dated August 31, 2000.

The WG membership is as posted on the site with the exception that Steve
Dimse and Greg Jones have resigned. New authors, Dale Heatherington of
APRSd and Roger Barker of UIview have been invited to join. Both have

declined. The group is open to consider any other authors of major
contributions to APRS software to participate.

Bill claims:
> I maintain that the WG is non-functional and has been for some time.
> Its last official action is dated August 31, 2000

Yep, we spent hundreds of man hours on the APRS SPEC and published it in
August, 2000.   As soon as someone drafts up a proposal for the APRServe
spec, we will take action, put it out for public review and comment,
accept inputs and do all that is in our charter to do...

Bill responds:
> Here is what you stated in your Sig posting yesterday.
> "The WG is willing to address it, but someone somewhere has to sit down
> and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
> APRServe and fathered the current system has not stepped forward to do
> this. There are now others who are knowledgible enough about the network
> who could do this.."
>
> This is the draft I was referring to. When was this discussed with the working
> group?

The Key word here is "draft". There is no "draft". I say again, someone
needs to put forth a strawman, a draft for public review and comment.
Then will the Working Group have something to "Work On".

> > > I was one who volunteered and I am aware of several others who offered
> > > to contribute thier services as well. I beleive John Ackerman was
> > > the one who solicited for volunteers.

We are ALL soliciting volunteers. But as I said:
> > Volunteering and doing are two different things. In general, because
> > there are thousands of volunteers in such groups as TAPR, the way things
> > really get done is by the "doers" not the "volunteers". It is just a fact
> > of life, that those that get around to doing something will usually then
> > take charge and move out." [Volunteering by a "show of hands" is not
> > the same kind of volunteering as "steping forward and doing what needs
> > to be done]

Bill says:
> Obviously, such an effort needs to be sanctioned by some group. Since the WG
> seems not to be functioning in any meaningful way, it is time to form a new
> group of qualified volunteers who are interested in providing the necessary
> expertise to create the framework for an APRServe specification.

Let me try one more time to explain it to you...

1) The working group exists and is more than willing to do all that is in
its charter to do with regard to reveiewing, accepting public comment and
resolving issues to do with a specification for APRSserve.

2) It all begins with a DRAFT. Someone needs to write up the DRAFT and
submit it to the Working Group.

3) The WG is looking for a volunteer knowledgible enough and willing to
write up that draft. This could be you or anyone who feels competent to
do this. Just start writing. The act of "volunteering" is the act of
wirting the draft and submitting it to the working group and the rest of
the APRS users for public peer review and comment.

> > There are countless examples of deadends where concepts are voluntered,
> > but because there is no follow through, nothing results. Yet conversly,
> > most successful projects in volunteer organizations come about because
> > someone takes the ball and does the initial work and then gathers the
> > support needed to follow it through.

Bill goes on:
> > > If the WG is non-functional, it is time to create a new WG. Perhaps, TAPR
> > > will once again take the lead?

Bob responded:
> > The working group exists and needs something to work "on".. We need a
> > volunteer to prepare the DRAFT SPEC for the APRServe system like Ian
> > did by taking all my APRSdos docs and reformatting them into the
> > draft APRS SPEC. Once we have a DRAFT APRServe SPEC for public review
> > and comment, then we (the WG) can make progress.

Bill maintains:

> Such a draft spec should not be developed by a single person. It should be
> created by a group of qualified individuals who are interested in improving the
> integrity of the APRServe network.

I disagree completely. No management school, engineering school, or
writing school ever suggests writing by committee... Nothing is ever
"written" by a committee. Writing (that is "pen-in-hand" or Keys on a
keyboard is done by INDIVIDUALS. Such writing after being ORIGINATED BY
INDIVIDUALS is submitted to a Committee and or the public for review and
comment. The COMMITTEE then manages the review by peers and experts in
the field, and collects comments for review, posts the arguments
pro-and-con and then the committee works to resolve issues to arrive at
the final wording of the SPEC.

WRITING by committee does not work, and never will work.

If you or any other volunteer has the in depth knowledge of the APRServe
system, and has the time, and the patience, and the writing and formatting
skills to put forth a draft, then please do so. Submit it to the APRS
Working Group and we will have something to work on and for the rest of
the SIG to review and comment and we can get moving on this very critical
need for APRSdom.

de WB4APR, Bob

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219. [aprssig] Re: Altitude Bug

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Tue, 6 Feb 2001 15:52:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133354-2001.02.06-15.09.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:58 AM -0800 2/6/01, Michael Jones wrote:
>I just noticed that for the packet
>K6MZ>GPSLJ,WA6YLB-4,WIDE4*:$GPGGA,195039,3439.6198,N,11807.4735,W,1,07,1.0,7
>72.5,M,-30.5,M,,*7C
>Findu and WinAPRS 2.4.8 are reporting different altitudes.
>Findu reports 2395
>WinAPRS reports 2532
>
>Mike
>K6IL

WinAPRS parse the above GPS line as follows

        NMEA type = GGA

        Altitude = 772.5,M

        M means meters.

        Therefore

        772.5 meters   * 1000   =   772500 mm
                        / 25.4 mm/in   =   30413.385827 inches
                        / 12 in/ft   =   2534.4488189 feet

        I check our code and we are currently ignoring the .5, I have
        fixed that and it now reports 2534 instead of 2532.

        The numbers after the altitude ("-30.5,M ") have to do with offset
        from the geod model, we currently ignore that value.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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220. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 15:58:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133355-2001.02.06-15.12.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Bill Diaz wrote:

> I would like to work with a small, adhoc group of volunteers to develop an
> APRServe specification proposal.

I will be happy to volunteer.

> The APRServe specification proposal would be created to address areas of
> concern... and other matters that affect the integrity of ... APRServe

You might want to clarify up front if this is an effort to documnet what
exists, or what "should exist". APRS is a moving target. My suggestion
would be to document what exists, nail it down, record it, get everyone to
agree that that is in fact how it is currently working or supposed to be
working before you start working on what should be.

This then gives you a point of departure for movement to where we need to
go. Not knowing where we are is a lot of the problem in trying to figure
out where we are going...

Someone needs to write that all down...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

221. [aprssig] RE: APRServe Draft SPec

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 15:10:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133358-2001.02.06-15.24.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

The original group did a wonderful job, and in particular Ian. The development
and publication of the APRS specification was a milestone. But it is time to
use that work, to improve the integrity of the network.

I still don't think your WG exists in fact. Several key players have resigned.
No one, who you approve of has volunteered to join your WG. Many have
volunteered but none have been accepted.

IMO, its time to do things differently, so that we can move ahead. Perhaps
some fresh insights are needed to solve some of the very real problems we see
today. A new WG would include many of those who have volunteered to help you
in the past.

Bill KC9XG

On Tuesday, February 06, 2001 2:51 PM, Bob Bruninga [SMTP:bruninga@usna.edu]
wrote:
> Bob wrote:
> > > > > > The WG is willing to address it, but someone somewhere has to sit
> > > > > > down
> > > > > > and write up a "draft" or a "strawman" to discuss....
>

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222. [aprssig] Re: APRServe Draft SPec

From: Jeff King <jeff@aerodata.net>
Date: Tue, 06 Feb 2001 16:12:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133359-2001.02.06-15.32.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> The Key word here is "draft". There is no "draft". I say again, someone
> needs to put forth a strawman, a draft for public review and comment.

I believe that is exactly what Bill is suggesting doing and it looks like
people are stepping forward already to help do this.

> Then will the Working Group have something to "Work On".

Can't speak for he for the new "APRSSERVE working group", but I'm sure they would
be happy to pass what they adopt on to anyone, even the old "WG".. Then
you can do whatever you want with it. No-one is saying the old Working Group
did a bad job.... it was excellent. But they did and are not addressing
the internet side, as you freely admit.

Point here Bob that you are missing, is something is happening. As I
suggested to you in private e-mail, it would be nice if you would be supportive
of this effort, and if you can't do this, don't throw rocks or create barriers
for those that are trying to move forward.

Bill has done a darn good job of documenting all the issues with the present
APRSSERVE system, and more so has created software to fix most of the "warts".
Now all he wants to do is formally SUGGEST the warts be removed. I don't
see him stepping on anyones toes and I think we all should support him.

Think about what is best for the future of APRS if you chose to continue
this thread. This will be my only posting on the subject.

Thanks

Jeff

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223. [aprssig] RE: APRServe Draft SPec

From: "Jeff Brenton" <jeffb@espi.com>
Date: Tue, 6 Feb 2001 15:26:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133360-2001.02.06-15.40.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> IMO, its time to do things differently, so that we can move ahead.
> Perhaps some fresh insights are needed to solve some of the very
> real problems we see today.

Especially since THIS working group would be addressing concerns not
DIRECTLY related to the over-the-air APRS protocol. The APRSERVE WG could
use the APRS standard document as the basis for what is to be transported,
and nothing else.

Personally, I think the network should merely move the data. It should NOT
interpret it on its own. That job would be left to the client software.

There are impedements to that view, however - people have come to expect
that certain ports of an APRS server will give you an 8-hour dump of
positions, and that certain ports will give you only messages and
associated positions. To me, that's a job for an intermediate (someone
called it "tier 2") server, that is a client to the raw data network.

Maybe the raw data network could use some sort of lossless compression
(such as gz) to minimize bandwidth requirements, but WITHOUT packets being
converted from OTH format to anything else along the way.

Jeff Brenton
President,
Engineered Software Products, Inc
http://espi.com
Questionable web page: http://dididahdahdidit.com

Liberalism grants you the freedom to advocate any idea*.
 * Please see http://www.dididahdahdidit.com/except.php for a
   current list of exceptions

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224. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 15:50:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133380-2001.02.06-16.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

On Tuesday, February 06, 2001 2:58 PM, Bob Bruninga [SMTP:bruninga@usna.edu]
wrote:
> On Tue, 6 Feb 2001, Bill Diaz wrote:

> > I would like to work with a small, adhoc group of volunteers to develop an
> > APRServe specification proposal.
>
> I will be happy to volunteer.

Great, we can use anyone who has something to offer.

> > The APRServe specification proposal would be created to address areas of
> > concern... and other matters that affect the integrity of ... APRServe

> You might want to clarify up front if this is an effort to documnet what
> exists, or what "should exist". APRS is a moving target. My suggestion
> would be to document what exists, nail it down, record it, get everyone to
> agree that that is in fact how it is currently working or supposed to be
> working before you start working on what should be.

The aims of the WG should be defined in detail in coming days. The focus should
be defined by the group rather than by an individual.

My suggestions to the APRServe WG will be (as you have suggested) is to focus
on documenting the existing network, needed networking improvements,
elimination of non-compliant packets from the improved feed and formal
documentation of the proposed specification.

Each of these focus areas (and any others that need attention) should be
addressed seperately by WG sub-committee members with the expertise required
for the task.

The existing APRS specification would be a good starting point.

> This then gives you a point of departure for movement to where we need to
> go. Not knowing where we are is a lot of the problem in trying to figure
> out where we are going...

> Someone needs to write that all down...

Yes, and we need someone with Ian's ability, and work ethic. Most definitely
the most important member of the team.

Bill KC9XG

> de WB4APR, Bob
>
>
>
> ---
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225. [aprssig] third.aprs.net and messaging

From: Guy Story <kc5goi@tapr.org>
Date: Tue, 6 Feb 2001 16:08:22 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133404-2001.02.06-16.22.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello everyone, I had to take third.aprs.net off of my aprsD server
because it appeared to not be routing messages or local APRS traffic.
When I looked at the server status, it did show to be verified. Any
explanations? It was on port 10152.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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226. [aprssig] RE: APRServe Draft SPec

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 17:28:16 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133405-2001.02.06-16.42.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Bill Diaz wrote:

> I still don't think your WG exists in fact. Several key players have
> resigned.

I don't think that statement is factual. Here is the way I would say it.
Only one key player has resigned. Steve Dimse. The only other person to
resign was Greg Jones who was a non participating official TAPR member as
the president of TAPR. He stepped down when he stepped down from being
president. He never contributed anything technical. The rest of the
group is intact.

> No one, who you approve of has volunteered to join your WG. Many have
> volunteered but none have been accepted.

It saddens me that you and apparently some others perceive it that way.
We have solicited Roger Barker, AUthor of UIview, and Dale Heatherington
author of APRSd, both are KEY players in the current landscape of APRS.
Both felt they were too busy to take on the burden. There have been many
volunteers, but in general, without the ability to meet everyone face to
face, the only workable criteria that seems to work as a selection
effect is by what personal technical expertise they have contiibuted to
the overall public APRS mission.

By invested personal technical expertise, I do not mean volumes of Email
of opinons of how they would like to see others do things, but that they
have actually made the effort to FULLY understand the protocol
by generating a significant contribution in code. Workable programs worth
maybe a few man years of effort that apriori demonstrates to the community
that they do fully understand the protocol and are willing to invest their
own time and effort in cooperation with the rest of the APRS authors to
contribute to ineroperability across all the spectrum of APRS interests.

The APRSwg does not have a personnel manager. We don't have the time to
conduct personnel interviews, review resume's, read everything anyone has
ever written on digital protocols. But we do see what works and what
doesn't in APRSdom. Such major personal investments in code for all to
use seems like a workable selection effect. I hope we have asked any and

all such authors to join us. If anyone feels left out, please step
forward.

> IMO, its time to do things differently, so that we can move ahead. Perhaps
> some fresh insights are needed to solve some of the very real problems we see
> today. A new WG would include many of those who have volunteered to help you
> in the past.

I agree completely. We need to move ahead. THis means someone has got to
sit down and start writing a draft. If some of these people feel more
comfortable forming a committee to write, then I am all for anything that
works. It is just my personal opinion, that writing is best done by one
person who volneteers to be the technical editor and then he is the keeper
of the master copy. THings written by committee ususally dont read well.

One person with clarity of thought could bang it out in much less time
then we have all already wasted talking about it. Im not saying at all
that the result is a "spec". I am saying that such a DRAFT is a starting
point on which EVERYONE can then focus and give coments and additions,
corrections, etc... Then COMMITTEES work very well....

Someone has simply got to sit down and draft that DRAFT. Even if it is
nothign more than an outline. We need a starting point...

I am not opposed to ANY METHOD that will get that draft on the table...

de WB4APR, Bob

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227. [aprssig] RE: APRServe Draft SPec

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 16:29:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133406-2001.02.06-16.48.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff,

> > IMO, its time to do things differently, so that we can move ahead.
> > Perhaps some fresh insights are needed to solve some of the very
> > real problems we see today.

> Especially since THIS working group would be addressing concerns not
> DIRECTLY related to the over-the-air APRS protocol. The APRSERVE
> WG could use the APRS standard document as the basis for what is
> to be transported, and nothing else.

> Personally, I think the network should merely move the data. It should
> NOT interpret it on its own. That job would be left to the client software.

I too, would like to see the network move only APRS compliant packets as
defined in the exisiting APRS specification. IMO there should be little
difference between the packet supplied by a TNC to a user, and the packets
obtained from the network. The same application code should handle these in
essentially the same manner. The removal of unnecessary TNC display formatting
information should be required before the packet is supplied to the network
however. This is unnecessary baggage, and in some cases today, prevents some
applications from properly processing the packet.

> There are impedements to that view, however - people have come to
> expect that certain ports of an APRS server will give you an 8-hour
> dump of positions, and that certain ports will give you only messages
> and associated positions. To me, that's a job for an intermediate
> (someone called it "tier 2") server, that is a client to the raw data
> network.

The 8 hour dumps of all data can consume large amounts of bandwidth. I would
like to have the ability to obtain a dump of only the current positions of all
APRS stations active in the last 8 hours. Dumps of all current weather
information, and active weather warnings would be a great features too.

> Maybe the raw data network could use some sort of lossless compression
> (such as gz) to minimize bandwidth requirements, but WITHOUT packets being
> converted from OTH format to anything else along the way.

It is important to provide a network feed that permits legacy applications to
continue to function. It seems that Hams don't like to upgrade very often.
 There is one digi in my area using WinAprs 2.2.1. Full consideration should
be given to supporting these legacy applications as much as practicable.

The lossless compression would be something that could be provided for use by
future applications. I wonder how much compression you would realize when
compressing the average APRS packet?

It is not unusual to see garbled packets on the network feed. Perhaps some
type of error checking should be incorporated?

Bill KC9XG

>Jeff Brenton

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228. [aprssig] Re: Perl code for Posit's

From: "Brian D Heaton" <bdheaton@c4i2.com>
Date: Tue, 6 Feb 2001 22:27:24 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133407-2001.02.06-16.54.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone looked at the source of PerlAPRS to see if it is mungeable???

73/N5VFF

----- Original Message -----
From: "Jeff King" <jeff@aerodata.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 05, 2001 11:02 PM
Subject: [aprssig] Re: Perl code for Posit's

>
>
> Bill Vodall wrote:
> >
> > --- Jeff King <jeff@aerodata.net> wrote:
> > > Ditto on posits. Looking for some Perl code to do that (I know
> > > it is easy but I am lazy).
> >
> > Using AX25 or TCP?
>
> In my case, TCP/IP but I'll take either. The biggest job is formatting
> the frames, and then at that point you have a number of options available
> to you.
>
> ---
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>
>

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229. [aprssig] Re: APRServe Draft SPec

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 17:41:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133408-2001.02.06-16.56.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Jeff King wrote:

> Can't speak for he for the new "APRSSERVE working group", but I'm sure
> they would be happy to pass what they adopt on to anyone, even the old
> "WG".. Then you can do whatever you want with it. No-one is saying the
> old Working Group did a bad job.... it was excellent. But they did and
> are not addressing the internet side, as you freely admit.

Agreed. We need a draft APRServe spec. We are all in agreement.

> Point here Bob that you are missing, is something is happening. As I
> suggested to you in private e-mail, it would be nice if you would be
> supportive of this effort, and if you can't do this, don't throw rocks
> or create barriers for those that are trying to move forward.

Gosh, I am so supportive, I am begging!
Who is creating barriers and rocks? Not me. I am for anything
that works. WE NEED A DRAFT APRSERVE SPEC. How many different ways can I
say this? We need someone to DRAFT it.   I only offered my personal
opinion, that "committess" rarely "DRAFT" anything. Someone needs to
individually step forward to put it on paper and then the committeee, ANY
COMMITEEE will then have plenty to do...

> Bill has done a darn good job of documenting all the issues with the present
> APRSSERVE system, and more so has created software to fix most of the "warts".
> Now all he wants to do is formally SUGGEST the warts be removed. I don't
> see him stepping on anyones toes and I think we all should support him.

None at all. I WELCOME him or anyone else to get it down on paper, in a
DRAFT so we all have something to look at instead of endless Emails
accomplishing nothing...

> Think about what is best for the future of APRS if you chose to continue
> this thread. This will be my only posting on the subject.

Great. Whats best for APRS is for someone to prepare a DRAFT spec for the
Internet issues of APRS so that we all have something to look at...
This is not said in opposition to ANY EFFORT or ANY METHOD anyone chooses
to take to prepare such a DRAFT. I am only interested in seeing results..
whatever it takes to do that.

I desire, I covet, I want, I support, I welcome any such effort.

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

230. [aprssig] Re: APRServe Draft SPec

From: Jeff King <jeff@aerodata.net>
Date: Tue, 06 Feb 2001 17:47:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133411-2001.02.06-17.07.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> I desire, I covet, I want, I support, I welcome any such effort.

Great. Guess I misunderstood the last posting and the tenor of the
private e-mails I have seen flying about.

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

231. [aprssig] APRServe WG

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 6 Feb 2001 16:58:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133413-2001.02.06-17.12.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Perhaps we should move the APRServe WG discussions over to the APRSspec SIG? I
hope nobody objects.

Bill KC9XG

 Display current vehicle location :
 http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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232. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 17:59:18 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133414-2001.02.06-17.13.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds great to me!
Bob

On Tue, 6 Feb 2001, Bill Diaz wrote:

> > You might want to clarify up front if this is an effort to documnet what
> > exists, or what "should exist". APRS is a moving target. My suggestion
> > would be to document what exists, nail it down, record it, get everyone to
> > agree that that is in fact how it is currently working or supposed to be
> > working before you start working on what should be.

> The aims of the WG should be defined in detail in coming days. The focus should
> be defined by the group rather than by an individual.

> My suggestions to the APRServe WG will be (as you have suggested) is to focus
> on documenting the existing network, needed networking improvements,
> elimination of non-compliant packets from the improved feed and formal
> documentation of the proposed specification.

> Each of these focus areas (and any others that need attention) should be
> addressed seperately by WG sub-committee members with the expertise required
> for the task.

> The existing APRS specification would be a good starting point.

> > This then gives you a point of departure for movement to where we need to
> > go. Not knowing where we are is a lot of the problem in trying to figure
> > out where we are going...

> > Someone needs to write that all down...

> Yes, and we need someone with Ian's ability, and work ethic. Most definitely
> the most important member of the team.
>
> Bill KC9XG

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233. [aprssig] Re: APRServe Draft SPec

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 18:03:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133415-2001.02.06-17.19.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Jeff King wrote:

> Great. Guess I misunderstood the last posting and the tenor of the
> private e-mails I have seen flying about.

OOPS. I thought my last reply was private to jeff. SOrry...

bob

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234. [aprssig] Message from sdimse@earthlink.net

From: Stan Horzepa <stanzepa@mail2.nai.net>
Date: Tue, 06 Feb 2001 18:18:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133417-2001.02.06-17.29.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Return-Path: <sdimse@earthlink.net>
Received: from harrier.prod.itd.earthlink.net ([207.217.121.12]) by
lists.tapr.org with SMTP (Lyris Server version 3.0); Tue, 06 Feb 2001
14:27:14 -0600
Received: from [10.0.1.36] (1Cust127.tnt2.key-west.fl.da.uu.net
[63.15.43.127])
    by harrier.prod.itd.earthlink.net (EL-8_9_3_3/8.9.3) with SMTP id
MAA00283;
    Tue, 6 Feb 2001 12:13:10 -0800 (PST)
Message-Id: <200102062013.MAA00283@harrier.prod.itd.earthlink.net>
Subject: APRS Internet System Announcement
Date: Tue, 6 Feb 2001 15:13:08 -0500
x-sender: sdimse@earthlink.net
x-mailer: Claris Emailer 2.0v3, January 22, 1998
From: Steve Dimse <k4hg@tapr.org>
To: <aprsnews@lists.tapr.org>, <aprsdev@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

First off, thanks to everyone that offered to become central servers.
There are now new first and third.aprs.net systems (thanks to Chuck Byam,
KG4IJB and Jon Anhold N8USK).

Everyone needs to check their confiuration. I've had forwarded a sig
posting where someone was complaining the IGates were not interoperating.
You should have first.aprs.net, second.aprs.net and third.aprs.net in the
rotating file. Hopefully each author (or a knowledgable user of each
program) will produce config files for each program. Nice would be
separate ones for both buffered (port 10151 on all servers) and
unbuffered (port 23 on first and second, 10152 on third) connections. No
one should be connecting to www.aprs.net any longer!

All IGates should check their list. With the exception of the three
central servers, all other aprsd servers ought to have just first,
second, and third in a hub command, each line including the callsign and
password so that data is accepted for forwarding.

I also wish to take exception to Bob's recent comment that I "refused to
step forward" and author an internet document. As I have stated before, I
am willing to participate in a group if one is created. I answer any
questions related to how things are set up now, and a large amount of
documentation covering everything about the system is publicly available
on my web site, the DCC proceedings, and the aprssig archives. I will not
collect all this and rewrite it myself, any more than Bob was willing to
take on the job of the APRSWG by himself. It is a job for a group of
concerned people, not one person...

Steve K4HG

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235. [aprssig] Re: Message from sdimse@earthlink.net

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 18:32:03 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-133425-2001.02.06-17.46.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Stan Horzepa forwarded Steve's email:

> I also wish to take exception to Bob's recent comment that I "refused to
> step forward" and author an internet document....

I never said that. Nor did I mean to imply any such thing. We all have
reasons for not having time for doing things. I fully respect Steve's. I
was trying to say it in the nicest way I could... Here is what I said:

QUOTE
The WG is willing to address it, but someone somewhere has to sit down
and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
APRServe and fathered the current system has not stepped forward to do
this. There are now others who are knowledgible enough about the network
who could do this..
UNQUOTE

I was trying my darndest to avoid any implications. I did not say he
"REFUSED" at all. I simply said that we have a need for a SPEC for
APRServe and that Steve, for whatever reason, was not available to do it.
I also said that there are many others that could write it and was
soliciting someone to step forward...

I am NOT blaming Steve, I am groveling to find someone to step forward and
write a draft...

de WB4APR@amsat.org, Bob

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236. [aprssig] Re: Message from sdimse@earthlink.net

From: kbrown@powerhouseproductions.com (Kevin Brown)
Date: Tue, 6 Feb 2001 17:50:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133434-2001.02.06-18.03.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pardon me for pointing out the obvious here... but I've done some work on
IETF drafts in the past but ONE thing differentiates APRS from anything the
IETF does...

the protocol, it's name, and any likeness is trademarked. I know of software
developers who are extremely leary of writing anything for APRS because of
the legal issues, royalties, etc that you might require.

If it were me considering working on a spec...I would definately want to be
insured that the spec and the underlying protocol it describes and specifies
is free from any claim - expressed, implied, intellectual or not from anyone
and put into the public domain forever. Then implementations of it, should
all comply with the spec. To me...the current APRS spec's main problem...
is that it's SOOO wide open for stuff, but with little true structure.

Though I'm not trying to be a pessimist here, since you Bob "own the rights"
to APRS and it's original development, it seems to me that it be your
responsibility to write the spec, or pay for technical writers to do it for
you.

As it stands right now...virtually anything anyone does for APRS...ends up
benefiting you financially in some way.

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, February 06, 2001 5:32 PM
Subject: [aprssig] Re: Message from sdimse@earthlink.net

: On Tue, 6 Feb 2001, Stan Horzepa forwarded Steve's email:
:
: > I also wish to take exception to Bob's recent comment that I "refused to
: > step forward" and author an internet document....
:

: I never said that. Nor did I mean to imply any such thing. We all have
: reasons for not having time for doing things. I fully respect Steve's. I
: was trying to say it in the nicest way I could... Here is what I said:
:
: QUOTE
: The WG is willing to address it, but someone somewhere has to sit down
: and write up a "draft" or a "strawman" to discuss. Steve Dimse who wrote
: APRServe and fathered the current system has not stepped forward to do
: this. There are now others who are knowledgible enough about the network
: who could do this..
: UNQUOTE
:
: I was trying my darndest to avoid any implications. I did not say he
: "REFUSED" at all. I simply said that we have a need for a SPEC for
: APRServe and that Steve, for whatever reason, was not available to do it.
: I also said that there are many others that could write it and was
: soliciting someone to step forward...
:
: I am NOT blaming Steve, I am groveling to find someone to step forward and
: write a draft...
:
: de WB4APR@amsat.org, Bob
:
:
: ---
: You are currently subscribed to aprssig as:
kbrown@powerhouseproductions.com
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: Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
:

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237. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 06 Feb 2001 16:50:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133436-2001.02.06-18.06.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:16 PM 2/5/01 -0500, Keith Sproul blasted the following out into the
ether:
>Many of you will probably notice that there are now numbers showing up
>under some stations on the map. These numbers are the ALTITUDE in feet or
>meters (depending on the metric setting) of that station. Of course, this
>only shows up if the station is reporting the altitude information. This
>feature was requested by many people. Eventually it will be a user
>preference to turn on/off, but for now it is always on.

      Quick question --

      It was possible, at one point, to add something like /A=004295/ to
either your status text, or else your position remark, and other stations
would show this as your altitude. I can't seem to get this to work any
more. did this go away, or am I doing something wrong?

      Thanks all,
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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238. [aprssig] GPS Validation

From: Art N Jury <gdbear1@juno.com>
Date: Tue, 6 Feb 2001 16:24:21 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133440-2001.02.06-18.38.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi, Im trying to run APRS DOS 848. I have a registration # for the
program and for gps. How can I enter the gps # so the program will start
seeing the gps? I can already save configurations so the general
registration # seems to work.

Thanks for your time, Art KF7GD   gdbear1@juno.com
____
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Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
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239. [aprssig] Re: Message from sdimse@earthlink.net

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 19:25:42 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133441-2001.02.06-18.39.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Kevin Brown wrote:

> As it stands right now...virtually anything anyone does for APRS...ends up
> benefiting you financially in some way.

Wow, "show me the money!"

Tell me where it is piling up, I'm obviiously missing something here...
:-)

Yes, I got a trademark for APRS, but since I gave the detailed
specifications to the APRSwg in 1998 for publishing in the APRS SPEC for
the benefit of HAM radio, I have not made one single new deal with anyone,
anywhere.. period.   No such new benefits are accruing...

Me thinks you are missinformed. I do this for fun. although it is awfuly
painful at times.

Bob, WB4APR

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240. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 19:28:15 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133442-2001.02.06-18.43.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Earl Needham wrote:

>   It was possible, at one point, to add something like /A=004295/ to
> either your status text, or else your position remark, and other stations
> would show this as your altitude. I can't seem to get this to work any
> more. did this go away, or am I doing something wrong?

It is not in your status, but in the position comment. The terms STATUS
and position COMMENT are sometimes confused. In the Kenwood, for example,
the STATUS is placed in the actual POSITION report as a position comment
since the Kenwood only transmits one type of packet, a Mic-E, which is a
position report. THere is no separate STATUS.

APRSdos anyway still recognizes it...

bob

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241. [aprssig] Re: GPS Validation

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 19:43:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133447-2001.02.06-18.57.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, Art N Jury wrote:

> Hi, Im trying to run APRS DOS 848. I have a registration # for the
> program and for gps. How can I enter the gps # so the program will start
> seeing the gps? I can already save configurations so the general
> registration # seems to work.

It wont ask for it unless you configure for GPS first. SO read GPS.TXT
and select which of the many many interface options you are using..

COM2, HSP, SPM, etc...

bob

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242. [aprssig] Need GPS to Radio Interface Assistance

From: "Tim Hardy" <tgh@mallardnet.com>
Date: Tue, 6 Feb 2001 19:54:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133448-2001.02.06-19.07.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the following hardware:

Kenwood TM D700A
Magellan 4000XL with the external power/data module (plugs into GPS in place of battery pack, has power and data leads)

Problem: Cannot get the GPS to send data to the radio (GPS indicator on radio is "on" but does not flash to indicate the radio is receiving data).

I used the Kenwood-provided data cable and connected it to the Magellan power/data module leads. I have tried data leads both ways (reversing leads when it didn't work the first time). GPS leads are ORANGE (data receive positive - DGPS+), YELLOW (data transmit positive - NMEA+), BLACK (negative), and RED (positive). Radio cable leads are RED (to DATA OUT on GPS), WHITE (to DATA IN on GPS), and SHIELD (to GND on GPS). I initially hooked ORANGE to WHITE, YELLOW to RED, and BLACK to SHIELD , which is also connected to negative 12VDC through the cigarette lighter plug.

GPS has selectable data speeds of 1200, 4800, 9600, and 19,200 baud. I selected 4800 baud.

NMEA can be selected as "OFF", "V1.5 APA", "V1.5 XTE", or "V2.1 GSA".   Which version/setting should I be using, or will any work (except "OFF" of course)?

Has anyone successfully interfaced this GPS with a D700A?

Thanks and 73,

Tim, KCØPA

243. [aprssig] Winaprs X Proxy Server

From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
Date: Wed, 31 Jan 2001 22:30:09 -0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133451-2001.02.06-19.15.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

How I can use winaprs thru a proxy server?
Thanks.
Alex

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244. [aprssig] Travellers APRS.

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Tue, 06 Feb 2001 18:37:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133456-2001.02.06-19.52.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob B. wrote:

Good point. We must all think of the TRAVELER. APRS is for the
TRAVELLING HAM. In that sense, Those who put up assets may not be the
ones that use them the most. THink of the Grand Canyon, Dinsey world,
Hawaii, Yellowstone, all kinds of places that thrive on tourists...
that *dont* have large permanent populations nearby... (or APRS)

Banff National Park
Yoho National Park
Kootenay National Park
Jasper National Park

APRS Digipeaters: VE6BNF, VE6BNP, VE6JNP, VE6PNR, VE7KNP, VE7YNP

Tino, VE6SZR
Calgary, Alberta

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245. [aprssig] Re: third.aprs.net and messaging

From: Jon Anhold <jon@snoopy.net>
Date: Tue, 6 Feb 2001 20:59:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>, k4hg@tapr.org
Message-ID: <LYR842-133463-2001.02.06-20.13.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

shrug

I just checked the config and made sure it's all correct, so I don't know
what the problem is.

I've also grudginly moved my unbuffered port to port 23 to better conform
to first & second.

-j

Previously, Guy Story (kc5goi@tapr.org) wrote:
> Hello everyone, I had to take third.aprs.net off of my aprsD server
> because it appeared to not be routing messages or local APRS traffic.
> When I looked at the server status, it did show to be verified. Any
> explanations? It was on port 10152.
>
> 73,
>
> Guy Story
> KC5GOI
> kc5goi@tapr.org
> http://www.kc5goi.net
>
>
>
> ---
> You are currently subscribed to aprssig as: jon@snoopy.net

> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--
The things that come to those that wait may be
the things left by those who got there first.

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246. [aprssig] Re: Winaprs X Proxy Server

From: "ScottM" <smorris@mindspring.com>
Date: Tue, 6 Feb 2001 21:42:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133467-2001.02.06-20.56.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There are a few considerations here. First WinAPRS is not Proxy-aware,
therefore proxy settings do not exist so WinAPRS can talk to the proxy
server, much like IE and Netscape do. So, with that statement, your network
must be set up that the default route is your proxy firewall, in other words
any traffic your routers don't know a route for, they will send it to the
proxy firewall. Your proxy firewall will see it, try and match the tcp port
number within the ip packet and see if there is a proxy configured with that
port. (see scenario below). This means you will have to have your firewall
administrator configure a proxy to handle the traffic. The only APRS port I
am familiar with is 10158, this is used to get to Steve's server for
aprs.net. I am not sure what traffic you want aprs to pass, and you will
need to know this to have your administrator add a proxy for it. At my
company there has to be a business need to create a hole such as this.

How traffic flows to a proxy server:

I use Lotus Notes. Notes is not a "proxy aware package", there is no
setting to configure to tell it how to communicate through a proxy server.
Let's say my PC ip address is 10.1.1.2 and I want to get to a Notes server
on the Internet, ip addres 198.167.1.2. When my PC tries to send the
packet, it see that 198.167.1.2 is not on its own network where its address
is 10.1.1.2, so it send the packet to the router,w which the address is
10.1.1.1. The router sees the ip address and looks to its routing table,
sees that that specific route does not exist so it looks to its
configurations for the "default" route within the router configuration.
Many roter configurations look like this for a default router:
     ip route 0.0.0.0 0.0.0.0 10.0.0.1 - this basically says if I can't
resolve the ruote within my tables send it to 10.0.0.1.
So the traffic goes to 10.0.0.1 (proxy firewall). The firewall receives it,
looks at the port number (Notes is 1532)and checks to see if it has a proxy
configured for that port number, If it does it will then try and open a
connection to 198.167.1.2 for you with the right port number.

That's how a proxy server works for non "proxy aware" applications such as
WinAPRS. You will need to make sure youre firewall is configured with the
right port number, and your network set up to send all unknown network
address traffic to the firewall.

Scott Morris
----- Original Message -----
From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 31, 2001 7:30 PM
Subject: [aprssig] Winaprs X Proxy Server

> How I can use winaprs thru a proxy server?
> Thanks.
> Alex
>
>
>
> ---
> You are currently subscribed to aprssig as: smorris@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

247. [aprssig] Re: third.aprs.net and messaging

From: Jon Anhold <jon@snoopy.net>
Date: Tue, 6 Feb 2001 21:56:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k4hg@tapr.org
Message-ID: <LYR842-133475-2001.02.06-21.10.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to clarify this, the unbuffered stream is available on both ports
10152 and 23.

-j

Previously, Jon Anhold (jon@snoopy.net) wrote:
> I've also grudginly moved my unbuffered port to port 23 to better conform
> to first & second.

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248. [aprssig] Using Aprs for Tracking and Setting Model Airplane Record

From: "Dave Beck" <dbeck@tds.net>
Date: Tue, 6 Feb 2001 21:16:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133478-2001.02.06-21.30.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've got a cool project I'm working on - I'm hoping to recapture some model
airplane World Records. Over many years I've built a solar powered model
airplane that held an altitude and distance records, but both were lost to
a German. I want to recapture these and other records. (See my website:
personalpages.tds.net/~dbeck for some details)

The problem is that to set new records, I need to control the model when
it's out of sight. I've added an ATV system , MIM/GPS system, and now have
WinAPRS working on the ground receive station in my minivan. The hardware
has been a big job, and is working well. But I need some advice on some
"simple" software issues that I have to resolve before the spring flying
season. These issues are critical to the success of this project -but so
far, I can't find enough documentation to make them work.

  Simple Question 1: How do I get telemetry data to show up in Engineering
units on Win APRS? There is no Telemetry option under list as the manual
describes on my version 2.4.5, even though the raw data shows up in the
terminal window. Simple Question 2: Is it possible to use APRS to steer the
model from waypoint to waypoint? That is, can WinAprs be used to show
corrections needed to keep the model on a course? How does one do it?

Thanks for the help

Dave Beck - WB0RAG

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249. [aprssig] ICQSERVE?

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 6 Feb 2001 23:01:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133484-2001.02.06-22.15.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is the ICQserve robot still available for aprs use?

Wes

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250. [aprssig] Re: Yellowstone & APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 6 Feb 2001 23:04:27 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-133485-2001.02.06-22.26.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 6 Feb 2001, BobD wrote:

> This past summer our family vacation was to Yellowstone, Mt. Rushmore/Crazy
> Horse, Devils Tower, and Cody, WY. I took my D-7A and a mag-mount antenna
> and my GPS-III. In 1598 miles of driving I think I got ONE posit out
<SNIP>
> I had the D-7 beaconing every 10 minutes whenever I was in the car,...

Ah, ships passing in the night. A D7 at 5 watts probably has a flatland
range of about 2 miles to another mobile. Two travelers passing each
other at 60 MPH have a combined passing rate of 2 miles per minute. THus
your chance of hearing someone or them hearing you were less than 10% even
if he passed within 5 feet of you on a two lane road.

If there are no digis around, everyone should use 1 minute rates. Even
then you may only hear one packet from some one going the other
way.

de WB4APR, Bob

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251. [aprssig] NSTAR 01A launch preparations continue

From: "Mark Conner" <mconner1@home.com>
Date: Tue, 6 Feb 2001 22:40:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133493-2001.02.06-22.54.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Work continues for Nebraska Stratospheric Amateur Radio Flight 01A,
scheduled for Saturday, February 10th at approx. 1630 UTC from Valley,
Nebraska (just NW of Omaha). Callsign will be N9XTN-11 and APRS data will
be transmitted on 144.39 MHz.   The weather forecast currently looks good,
but is kind of shaky as we are looking at a narrow break in the weather for
early Saturday. Flight path is expected to be east-northeasterly.

A FSK31 experiment will be on 28.210 MHz with callsign W0RPK. The
experiment will transmit location, course, speed, and altitude information
every two minutes. Stations on the US East and West Coasts and beyond are
expected to have decent reception if 10m is open (plus those that are direct
line-of-sight for the balloon).

See http://members.home.net/mconner1/nstar.html for more information and
additional links. I'm looking for participants in a digipeater experiment
for this flight - see the web page and e-mail me for details. Last-minute
updates will be posted to http://groups.yahoo.com/group/KNSP/messages ,
including updates from the launch site and during flight if all goes well.

E-mail me if you have questions.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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252. [aprssig] Re: Datum Standard for APRS

From: Joe Foor <kf4dys@wfeca.net>
Date: Tue, 06 Feb 2001 22:50:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133495-2001.02.06-23.02.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A single global datum is a fine idea. But, as I understand it, the USGS
100k files, used to make dos maps, are based on the NAD27 datum.
Consequently, those of us who use those files to make local maps are
pretty much stuck with configuring our gps receivers to also use the NAD27
datum, for the best accuracy.

regards,
Joe

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253. [aprssig] Re: Datum Standard for APRS

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Tue, 06 Feb 2001 23:39:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133497-2001.02.06-23.52.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe Foor wrote:
>
> A single global datum is a fine idea. But, as I understand it, the USGS
> 100k files, used to make dos maps, are based on the NAD27 datum.
> Consequently, those of us who use those files to make local maps are
> pretty much stuck with configuring our gps receivers to also use the NAD27
> datum, for the best accuracy.

First, most of the quads now have information regarding NAD27 and NAD83
coordinates at the ticks. Second, in consistency with conventional map
accuracy standards, the absolute best you can hope for is an accuracy of
40ft with a quad... some are notably worse.

Quads are re-made on an as-needed basis, with sales driving the
determination of need. Thus, the quad covering the majority of Denver,
or Houston (to use a known example of this) will be remade several times
before USGHS unilaterally decides to remake the quads covering
Bryan-College Station, Texas.

The Texas Geographic Information Council, a state agencies' liason group
I'm on, has been in discussions with USGS to get them to update all the
quads for Texas in the next 5-year cycle. All quads being updated are
being done in NAD83. NAD27 is being retired as it can be. It'll take
decades before all the quads are either retired (yes, that's happening,
too) or updated, but the result will be the same: NAD27 is going away
in Government use.

Realize that the inaccuracies remain. And, if you're reporting in
NAD27, the subjective nature of the transformation is also working
against you. Simply put, NAD27, although for years the law of the land,
was a technically flawed horizontal datum.

If all your maps are in NAD27, maybe you need to keep working there. But
they're still inaccurate. (FWIW, transforming from NAD83 to NAD27 and
back is both reasonable and achievable, and the results will be
consistent. Since the nature of the relationship to NAD83 and NAD 27
can be considered over relatively small areas and consistently treated
by mathematical transformation (passing through cartesian ECEF systems
each time, going to NAD27 and BACK is a flawless mathematical
operation. The accuracy of the single transformation, between NAD83 and
NAD 27, or vice versa, is subjective and prone to error of an
undefinable magnitude, save in either the well-characterized local plane
or by post-transformation assessment by physical observation.

Peter Dana, late of the University of Texas, now the University of
Colorado, shows this well in the following URL:
http://www.colorado.edu/geography/gcraft/notes/datum/gif/shift.gif

73, Gerry n5jxs
--
Gerry Creager -- gerry@cs.tamu.edu
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254. [aprssig] Re: Datum Standard for APRS

From: RMckni8527@aol.com
Date: Wed, 7 Feb 2001 00:50:42 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-133515-2001.02.07-00.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/6/01 7:49:43 AM Pacific Standard Time,
allan.sadowski@ncshp.org writes:

> If it wasn't for the fact that already there have been postings here that
> folks
> have been using other datums (example - the guy who said he'd been using
> NAD27)... I wouldn't have bothered....
>
> I don't have a copy of the NMEA-0183 spec.... the $100 (I think) cost is a
> bit much
> to justify at the moment... I do recall it was electrical interface and
> talks to the
> strings coming from the various devices... but no recollection that the
> datum
> was spec'd....   I defer to your knowledge on this one...
>

Actually, I was looking at buying a copy of the NMEA-0183 spec for work,
until NMEA told me that only two of our offices in the entire US Coast Guard
were certified NMEA.ORG members, so my price would be $250, NOT the $125
non-member price. I inquired with a few offices I knew would have some
copies laying around, and one sent us a spare. WOW - it wasn't even PRINTED,
just a photocopy put into a spiral binding, and the total pages were probably
100. $250? TAKE A HIKE!

Anyway, I'll look Thursday and seen what it says about Datums, I believe it
won't specify, since NMEA is all about communications between devices, not
what that communications contains.

73's
Ray

255. [aprssig] Summary and Details of TH-D7A(G) & Garmin GPS (Part 1 of 2)

From: "Scott D. Johnson" <scott.in.texas@apex2000.net>
Date: Tue, 6 Feb 2001 23:58:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133516-2001.02.07-00.13.24--lyris.aprssig#tapr.org@lists.tapr.org>
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Thanks to everyone for their posts. Here is my summary of info on all this
GPS and TH-D7A(G). I post this in an effort to clarify much of the
mis-information I have found on the Internet and to help others more easily
enjoy APRS like I now do. Thanks for everyone's patience. Because this
combines information from posts in both the APRSSig and HTAPRS lists, I will
post it to only the aprssig list that I originally started this all up with.
I leave it to someone else to post it to htaprs (if that is allowed)...
Scott   KD5MHM

Quick Summary:
At lunchtime today, and later to/from a business meeting, my friend Alicia -
N5SBC was able to observe valid tracking on WinAPRS 2.4.7. I appeared in
the station list and on the map in the correct place with the correct icon.
Right now my Garmin 35 was set to transmit only the $GPRMC sentence.
Tomorrow I'll add the $GPGGA string suggested (later). I dutifully followed
the Kenwood manual (the Enhanced Features manual, that is) for configuring
the radio from the keyboard (not the PC this time, for practice in the
field). At first there were no position reports, until I found the

requirement for the BCON button to be pressed before the automatic transmitting would begin. After getting BCON on (visible on my display) everything went just like it should have.

Details - continue only at your own risk... <late-night maniacal laughter in the background...>

Clearly, the information that Garmin GPS (and particularly my Garmin 35) units wouldn't work with the Kenwood radio was simply wrong. Now I suspect that my original tests may have simply lacked a press on the radio's BCON button. However, I did have to manually configure my Garmin from my computer before connecting it to the radio. I didn't find any way to send GPS configuration from the Kenwood (sort of like sending configuration commands to a TNC). Note that the Garmin 35 is an OEM unit that is a totally self-contained unit about the size of a mouse - no keypad, no display, no lights, no buttons, no external antenna, nothing but a little black unit. It has two serial ports, one for regular data and one for dGPS input. I use the GPS35-HVS so that I have true RS-232 ports and 6-40Vdc operation for battery or car power. It has a built-in voltage regulator so that unregulated DC power is no problem.

I used the old Win3.1 Terminal.Exe program (it is often easier to use than HyperTerm for things without hardware handshake lines) by copying it to my Win98 system. Virtually any Windows or DOS or Linux or Amiga or Commodore or Atari or CP/M or mainframe terminal program should work as well. I needed to send the Garmin commands to turn off all the unwanted strings, there were a bunch.

Specifically, I used the following commands, simply typed in the terminal window, to configure the Garmin to use only the $GPRMC string:
$PGRMO,GPRMC,1
$PGRMO,GPGSV,0
$PGRMO,GPGGA,0
$PGRMO,GPGSA,0
$PGRMO,GPVTG,0
$PGRMO,PGRMB,0
$PGRMO,PGRME,0
$PGRMO,PGRMT,0
$PGRMO,PGRMV,0
$PGRMO,PGRMF,0
$PGRMO,LCGLL,0
$PGRMO,LCVTG,0

Note that other Garmin models may have additional strings that need to be disabled and that some of these are also Garmin-specific and may not appear on other brands of GPS units.

******
Pete Loveall pete@ae5pl.net www.ae5pl.net
I forgot. On the Garmin 35, you also want $GPGGA sentences to come through (altitude) as well as $GPRMC sentences.
Bob is correct. You were reading in the D7A manual about sending waypoints TO the GPS. In the case of the 35, make sure that Waypoints is OFF in the D7A.
Also, if the D7A is receiving info from the 35, you should see the degree, minute, and second symbols flash on and off when you are looking
at position (POS) on the D7A. (By the way, use the down arrow to see course, speed, and altitude in the position display.)

OK, Pete, I'm gonna try $GPGGA and the display thing tomorrow and see what happens. Thanks

******
Richard Amirault N1JDU Boston, MA, USA
The WPL is not something "wanted" by your radio. It is something "wanted" by your GPS. The WPL string goes *from* the radio *to* the GPS.
You need to have the DATA-IN (to the GPS) wire connected on your power/data cable for this to work. The radio sends every station that it hears over the air to the GPS as a waypoint. On my GPS, Garmin GPS III, they all show up on the built in map, but in any GPS with a screen they would show up on the Waypoint list and you could, then, select any of them to "go-to" if you wanted.

Although I can't find anything about this (exactly) in my Kenwood manuals, nor my Garmin manuals and technical data, this appears to be correct information. When I look at my Station List, and the info for a particular station, I can now get a valid distance and 'compass direction' towards that

station from my current location. Note that there is no display for my GPS
so I have no idea yet if it understands a wplist.

******
    Conrrad Huso asked about my reference to the incorrect program so I
    replied:
    I bought the Kenwood cable and perhaps that was what had the disk. In
    either case, the program on the disk was the wrong one. I

    downloaded the proper one off the Kenwood website (I also got the
    manuals
    in electronic format for ease of printing and searching). Once I had
    the
    correct program I could set up my unit easily from my PC or laptop.
    The cable diagram for the serial port is in the manual, so there is no
    need
    to spend a lot of money on Kenwood's cable, I just did it because I was
    in a
    big hurry at the time.

More on cable stuff in a minute...

******
    On Tue, 6 Feb 2001, Tony Arnerich wrote:

    > Apples and oranges here. The WPL sentence describes a waypoint that
    > the GPS ... I don't know why a D7 would care all that much about
    > route navigation, that's something above and beyond it's APRS duties.
    That is in there as the means by which the D7 displays on an attached
    GPS the positon of all other APRS stations heard on the air. THe D7
    passes them over to the GPS for display as waypoints...
    > If the D7 doesn't accept the RMC sentence that's a real shame:
    It does...
    Bob [Bruninga]

Bob is totally right on the RMC string, the Kenwood likes it very well.
Since my GPS has no display, I'm not sure that the Garmin 35 gives a hoot
about the WPL. As an OEM, I might just give Garmin a little technical
support call on the WPL stuff...

******
    Pete Loveall pete@ae5pl.net www.ae5pl.net
    Don't take the Kenwood manual too seriously. Remember, the main manual
    was written for the A, not the A(G). They added a lot of support to the
G
    model for multiple types of GPS.

Pete was right on the money about the Kenwood manuals. Mine came with two
manuals, one for the A model and a second called Enhanced Features for the G
additions. There are many menu changes for the G model that I noticed when
I actually set them both side by side and compared the APRS configuration
instructions. Pete's comment convinced me that there was much unexplained
that would require experimentation.

******
    Jim King KD5LUQ
    $GPWPL goes TO the GPS receiver. The catch is that not all GPS
    receivers pay attention to it. My Garmin III+ and 12XL do
    use it, but some other Garmins (eMap?) do not. Since the GPS-35 doesn't
    have a display I'd expect it to ignore $GPWPL.
    fwiw, both the III+ and the 12XL work fine with my D7. Just remember to
    set the Garmin to NMEA mode, and make sure the baud rate matches on
    the GPS and the D7.

I assume, like Jim, that the '35 does ignore the WPL commands. Currently
the Kenwood is set for NMEA (4800 baud) but I'm going to try setting the GPS
for 9600 and test the NMEA96 setting in the Kenwood. I don't expect to see
any difference, but who knows for sure...

******
    Pete Loveall pete@ae5pl.net www.ae5pl.net
    Which Garmin are you using? I am using an Etrex in NMEA out mode and
    the THD7A(G) likes it fine! The key with the Garmins is to NOT use
   Garmin mode on the Garmin's interface. Always be sure to use the
   NMEA out mode and set the TH-D7A(G) mode to NMEA.

I had previously set my GPS for nothing more than the $GPRMC string for
experiments with the TAPR Pic-E TNC kit and so I didn't think about those
Garmin-specific sentences that are not NMEA (although they seem pretty

informative if I was writing a program for the Garmin). I already had them all turned off by the time I was testing today with the Kenwood. BUT - Pete is right again! I turned them on and was able to mess up things pretty quickly. I turned them all back on, but perhaps there is (undocumented) compatibility with some of them built into the Kenwood. Perhaps one day soon I'll do some more methodical testing to see what happens...

******
END OF PART ONE OF TWO

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256. [aprssig] Summary and Details on TH-D7A(G) and Garmin GPS (Part 2 of 2)

From: "Scott D. Johnson" <scott.in.texas@apex2000.net>
Date: Wed, 7 Feb 2001 00:02:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133518-2001.02.07-00.35.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PART TWO OF TWO
******
    k3for@aol.com
    Don't know if the stock rubber duck antenna is not tuned properly, but
    the "good" after-market antenna is the Pryme/Premier RD-98SMA for
    about $30 - much better gain on both 2m and 440, thinner, more
    flexible, less stress on the SMA connector, but 19" long instead of 10".
    The radio is pretty good, out of the box. The TNC is decent. Have fun!

k3for's antenna recommendation is one of two that I've seen much mention of on the Internet. Also, the comment about the radio is also accurate. I've played with many of my friend's alternatives and continue to be pleased with the radio, the APRS and the TNC. Still have more to study, though!

******
    Zachary Michael, KB9UQQ, KB9UQQ-6, KB9UQQ-7, KB9UQQ-9, KB9UQQ-10
    KB9UQQ-10 (Home)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-10
    KB9UQQ-9 (Car)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-9
    KB9UQQ-7 (D7A)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-7
    KB9UQQ-6 (Laptop) http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-6
    KB9UQQ   (Home)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq
    The TNC is not as limited as you think though. A lot, and I mean a lot
    of the TNC commands are un-documented. There is a complete
    list at: http://www.qsl.net/kb9uqq/D7Acommands.html

Zachary is also right as rain. In the last two nights I have studied manuals of other brands of TNC to compare commands in an effort to be able to configure and use the TNC better. Results of those studies may get posted later once completed. The list he mentions is on the website of an 11-year old lad. If he put all that together, I'm very proud of him! After checking all the findu's he listed, I wanted to ask him where was his entry for the 'kitchen sink'. <big grin>... Actually, I'm jealous that he has so many GPS units and radios going at once! Soon I'll have to see if I can get more going the he has!
******
In a response to Pedro, I said (perhaps foolishly):
    "Pedro Pérez" <eb4dka@teleline.es>
    Dear Pedro,
    It's been many years since I was in Spain! Hope all is well there.
    My Kenwood TH-D7A(G) doesn't like my (new) Garmin GPS. Here's why:
    On page 5 of my Enhanced Features manual they reference, they say we
    need the (newer) NMEA string, NMEA-0183 $GPWPL sentence. They also
    call it the 'Magellen' format - ie Magellen GPS units and NOT our Garmin
    units. Perhaps an older Garmin might have this $GPWPL sentence, but not
    mine. At this time, I am unable to configure my Garmin GPS to work with
    my Kenwood at all. Most other things seem to accept the
    $GPRMC sentence without trouble, however the Kenwood doesn't seem to
like
   the $GPRMC sentence.
    Currently I am looking at buying a Magellen unit for my Kenwood...

Well, what can I say but I WON'T be buying a Magellan unit! My radio is perfectly happy with my Garmin, after proper configuration of both - and pressing the BCON button... Now I would suggest to Pedro that he connect his Garmin 100 to a PC and run a terminal program to see what NMEA sentences

is spits out. I would see if it has ones that the Kenwood will like (RMC &
GGA?) and if I can turn off any non-NMEA sentences and unwanted sentences.
A little bit of experimentation could reveal a lot. Since there seems to be
many Garmins connected to the Kenwood, including mine, I would suggest that
Pedro has a very good probability that it will work great with his...
******
    > "Brian B. Riley" wrote:
    > On 2 meters the Comet is light years beyond the stock ducky ...

    "Stephen M. King" <frastephen@home.com> wrote:
    > I like the Comet SMA24.

    Skip   K9SA
    I've tried the Comet and the Pryme on both 2M and on 450 and couldn't
    detect any difference from the stock D7 antenna. I don't know - maybe
    Kenwood just shipped some bad antennas.

    Barry Bogart barry_bogart@yahoo.com
    Has anyone tried to REPAIR a Pryme RD-98? Excellent antenna for the D7,
    but pretty fragile. The base will explode if you drop it (while on the
D7). I
    don't know if I am missing a ground connection, but reassembled, it
    doesn't work.

I don't have the proper tools to test and compare the antenna choices. More
study needed, or flip a coin...
******
    gregg@c2-tech.com (C2 Technologies Inc)
    I have had problems with trying to get KISS mode to work with some
    software that I am writing for APRS in Java. I hope to try and resolve
    this issue soon.

Gregg, I think I'd like to be one of your beta testers! Perhaps others here
are interested too! Good luck.
******
    gregg@c2-tech.com (C2 Technologies Inc)

    I use my THD7A(G) as my only radio. I take it mobile, portable, biking
    and connect it to a 1/4 wave GP at home. I use a 12" SMA to BNC
    adapter cable with a 90 degree SMA connector on the radio end to
    allow me to easily and quickly switch it between one of the three
    antennas. I use the MFJ-286 speaker mike on it. This mike has
    some audio drop, so I am looking for recommendations on another
    mike.
    One of the local HAMs, N5NYP, has a simple little dash mount for his
    that is basically a flat, verticle plate with felt on it. He slides his
onto
    this to anchor it where he can also see the display at a glance. I have
    mine beside me in arms reach.
    The SMA to BNC adapters that I have found all leave something to be
    desired. I usually have to do some soldering or disassembly and
    reassembly with extra heat shrink for strain relief and such.
    I use the COMET SMA24 for portable operations and it makes a big
   difference!

Thanks for the additional information, Gregg. Although I have an older
Kenwood mobile, I also use my THD7AG as my most primary radio.
******
    Patrick   KC6TVB
    Last night I made a PC Cable for my TH-D7A. Getting a lot of Computer
    Noise. :-(even changed the beat frequency with no luck. Does the
    Kenwood supplied cable have any better performance?   any
    suggestions? The radio is almost not usable while connected to the
    P.C. It maybe the USB to Serial adapter I am using creating the extra
    noise. (No Serial ports on my Sony Picture Book)
    Thanks for any suggestions.....

My Kenwood cable has LARGE ferrite cores at each end of the cable (for rf
rejection I assume). It is very plain-vanilla in all other respects, ie:
plastic rs232 plug and jack into the radio. Perhaps the USB adapter is
introducing additional noise besides any rf pickup. It is possible to buy
'clamp-on' ferrite cores for cables quite inexpensively. Depending on all
the
variables, one at each end might also help reduce noise from the USB adapter
as well.
******
    Relatively new ham considering APRS. I have an ICOM 746 as a base and
    ICOM706MKII-G in my truck. Already own Garmin model 45 and I am
    considering the purchase of a TH-D7Ag to run mobile. I am

looking for any experience/potential problems/hints, etc, etc.
Thnx in advance for your expertise and 73's.....Leo KG4KAK

Leo's post is what got me to post my original 'my thoughts' email to the list. Although I always think that no one would be interested in what I have to say and therefore rarely post, Leo proved me wrong. The information that everyone above has posted has seriously helped my with my experiments, helped solve GPS issues, caused me to re-read both manuals, discover the BCON button, saved me from buying another expensive GPS unit, and gotten many others to expound their thoughts also. THANKS LEO! And thanks to everyone who posted (whether I got them listed above or not).
******
And finally, my original response caused by Leo above:
IMPORTANT NOTE: These opinions have been seriously improved by all the folks who posted responses.

(I saw info and questions on both the HTAPRS and APRSSIG lists on the TH-D7A(G) but this is in response to posts on APRSSig so it is only posted here...)

I have the radio and I love it (got it a couple of days before Christmas) - but - here is what I've found out.

The antenna seems to be "off", in that one analysis by someone else says it is designed for about 136MHz rather than centered around 146MHz for 2meters. Everything I study says get this other certain antenna (can't remember the name right now) and the radio will do much better.

The TNC is not very "standard" (limited command set) and seems to have some limitations - but I have gotten it to work with some packet programs. This could be as much my 'novice-itis' with packet and setting up TNC's and the programs to run them as much as it could be the Kenwood TNC. I've been very busy since the new year and have not had time to play more, but I think that I can get most programs (that failed at holiday time) to work because I have studied very much TNC stuff since then. I have been able to do packet here and have been able to join in our little local packet net.

I have used the APRS features with good success also. Again, some of my problems are probably mostly learning new stuff (and not reading enough info first), but the same problem with the packet exists, I have not had enough time to play more since 'last year'. I have gotten it to function with WinAPRS (ver 2.4.7) OK and seem to also have it work OK when not connected to the computer as well.

I have not had a chance to use the TNC in 'kiss' mode, where the host program does all the real work, this mode may help with the minor problems I've had in packet and APRS modes. Don't know yet, will soon.

I built a copper J-Pole for 2 meters and it works great from the roof of the house. Talked simplex about 35 miles (I assume they had a beam aimed my way) and they complimented me on the clarity of my signal. I talk simplex (j-pole to j-pole at a friend's) about 19 miles with good clear signals also - no beams.

I bought the Kenwood mike/speaker and am darned glad I did! I attribute that to the compliments I get on the clarity of my audio... I don't get any complaints from the built-in mike either.

I find the speaker (internal and external) work well and clearly. Personally I think the speaker in the mike is a tad bit clearer.

I bought the 'fast charger' unit and am also glad I did. Set the radio in it and about 90 minutes later its ready to go. Compared to 6 to 8 hours or more (I think) for the standard charger that comes with the radio.

I built a quick beam antenna for a test fox hunt and my kenwood did very well.

I found that the disk that came in the box for programming the radio was NOT the correct program for my radio. A quick trip to the Kenwood website and a fast download got me the right program and I love programming my radio from my PC or laptop. Much faster than from the keyboard.

Summary:
I love my radio, think that I can resolve the TNC packet/aprs configuration issues, love the mike/speaker combo, the fast charger, and connecting it to my computers. I will soon replace the standard antenna.

Hope that helps,
Scott
kd5mhm@kd5mhm.org

Scott D. Johnson, CDP, CSP, CCP
Midland, Texas

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257. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:17:10 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133527-2001.02.07-03.31.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 04, 2001 at 08:48:09AM -0600, Bill Diaz wrote:
> WinAprs is compiled with CodeWarrior. Mark Sproul told me that executable code
> size increased by 20% when exception handling was included in WinAprs. He
> stated that he chose not to include exception handling for this reason.
> Therefore, IMO, the unhandled exceptions experienced by WinAPRS are not caused
> by the development language, compiler, or operating system.

Ideally, it would not have any exception generation either then.

The GNU C++ compiler, g++, has a switch (-fno-exceptions) which
disables exceptions completely. It does save code size, but that
is not a good reason for using it.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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258. [aprssig] Re: WinAPRS, Win9x, Win2K and the dreaded UE

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:21:00 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133528-2001.02.07-03.35.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Feb 05, 2001 at 11:33:33AM -0500, Mark Sproul wrote:
> Unhandled Exceptions happen no matter what language you use on
> Windows. They are a fact of life when tring to program Windows. Any

What's Windows got to do with it? They occur on any platform.
They need to be handled on any platform; alternatively, ensure
that they never occur in the first place.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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259. [aprssig] Re: Amega computers

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:21:43 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133529-2001.02.07-03.35.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 04, 2001 at 07:40:48PM -0800, Bob Nielsen wrote:
> That last line should have read:

>
> > other apps, such as xastir and aprsdigi can be compiled on this
> > platform as well.

I would certainly expect that both would work on any Linux-supported platform.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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260. [aprssig] Re: Amiga computers

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:23:05 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133532-2001.02.07-03.37.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 04, 2001 at 04:07:52PM -0600, Mark Fellhauer wrote:
> About 14 months ago Gateway opted to go with the Crusoe processor for their
> Webpad and brought Linus Torvalds onboard.

?? Linus already worked for Transmeta.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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261. [aprssig] Re: Call for volunteers to form adhoc APRServe Working group

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:34:04 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133534-2001.02.07-03.48.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, Feb 06, 2001 at 11:41:57AM -0600, Bill Diaz wrote:
> I would like to work with a small, adhoc group of volunteers to develop an
> APRServe specification proposal.

Count me in Bill.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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262. [aprssig] Re: Message from sdimse@earthlink.net

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 7 Feb 2001 20:40:02 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133536-2001.02.07-03.54.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, Feb 06, 2001 at 05:50:48PM -0600, Kevin Brown wrote:
> Though I'm not trying to be a pessimist here, since you Bob "own the rights"
> to APRS and it's original development, it seems to me that it be your
> responsibility to write the spec, or pay for technical writers to do it for
> you.

I don't want to start an argument here, but this isn't correct. Bob
has a trademark on the name. However, the details of the protocol
can only be protected by patent, not by trademark or copyright.

The APRS specification document is copyright by its authors,
as is any software implementing the APRS protocol, but
the protocol itself is not protected at all. Bob can prevent people
from using the APRS name, but not the protocol.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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263. [aprssig] Re: Amiga computers

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 07 Feb 2001 04:22:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133538-2001.02.07-04.36.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:23 AM 2/7/01, Hamish Moffatt wrote:

>?? Linus already worked for Transmeta.

Correct. But he also had direct input on Gateway's web pad and internet
appliance.   It is my understanding when Mike Case and Ted Waite premiered
the Web pad, Torvald's was actually standing in the wings.   My former boss
also met with Torvalds when the rolled out the Web Pad
internally.   Unfortunately, with the reversals at Gateway recently, I
think the wireless web pad will never make it to the consumer and it looks
like the Connected Touch Pad is experiencing poor sales (may incur a $200
price drop) and problems with AOL connectivity (AOL just being a UUNET
reseller and as a company unable to tech themselves out of a paper bag).

Too bad. Imagine having a sub $500 wireless Crusoe powered web pad
(running Linux) for an APRS internet terminal.   I'm sure there would be a
way to get around that pesky AOL only internet connection.   It still may
happen. Time will tell.

73,

Mark
KC7BXS

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264. [aprssig] 28.128 MHz BEACONet tests continue

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Wed, 07 Feb 2001 07:01:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133541-2001.02.07-06.15.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

W-o-w. What a response. BEACONet is really taking off
internationally. There have been successful reception reports (within
the North America) of cross-continental DX (yawn) and intercontinental
DX (!) on 28.128 MHz.

Scandinavia, UK, the Iberian Peninsula, the Mediterranian...and the list
continues to grow. In North America, W1, W2, W4, W0, VE7 and more.

We're looking for some Africans and Australians to join in on the fun
for a push for weekend activity. To join-in, you will need UI-View
software (which many APRSers already use) configured as outlined at the
bottom of this note, and a transceiver tuned to 28.128-MHz USB (1200
baud).

I'll have some interesting screen shots posted to the BEACONet website
for folks to see by *tomorrow*. This is v-e-r-y cool stuff. Join us!

Ev, W2EV

```
Launch UI-View and . . .
... remove lat/lon information
... Unproto Address = HY-##
      where, H=HF, Y=28 MHz and ##= antenna directivity using
      the clock-face as your guide.  3=East, 9=West, 15=omni
... Beacon Comment = [GR##ID] email@host.com
      where [GR##ID] is your 6-character Maidenhead Grid locator
      (be sure to put it between brackets as shown), followed by
      an eMail address to make QSLing easy
... Beacon Interval Fixed = 5
... Tune to 28.128 MHz USB and you are 1200 baud BEACONet active!
For more information, visit http://go.to/BEACONet

---
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```

265. [aprssig] Re: Yellowstone & APRS

```
From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Wed, 07 Feb 2001 08:04:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-133549-2001.02.07-07.18.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob Bruninga wrote:
>
> On Tue, 6 Feb 2001, BobD wrote:
>
> > This past summer our family vacation was to Yellowstone, Mt. Rushmore/Crazy
> > Horse, Devils Tower, and Cody, WY.

Work'n with the 'locals' up on Harney/Terry Peaks, (Black Hills) South
Dakota with a possible digi...

---
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```

266. [aprssig] Re: Datum Standard for APRS

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 7 Feb 2001 08:33:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133554-2001.02.07-07.47.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Tue, 6 Feb 2001, Joe Foor wrote:

> A single global datum is a fine idea. But, as I understand it, the USGS
> 100k files, used to make dos maps, are based on the NAD27 datum.
> Consequently, those of us who use those files to make local maps are
> pretty much stuck with configuring our gps receivers to also use the NAD27
> datum, for the best accuracy.

What I would love to see is a conversion program written and then I could
run all the DOS maps through it to convert them all to WGS84 once and for
all...

de WB4APR@amsat.org, Bob

APRS LIVE pages     http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES     http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

267. [aprssig] re:Tripmate

```
From: "wes johnston" <wes@johnston.net>
Date: Wed, 7 Feb 2001 08:28:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Cc: "Mike Yetsko" <myetsko@insydesw.com>
Message-ID: <LYR842-133555-2001.02.07-07.48.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike Yetsko <myetsko@insydesw.com> said you had to short pins 2 and 3
toether to make the tripmate start....you also have to raise DTR high (pin
4). See http://wes.johnston.net/aprs/tripmate.htm for details.

Wes

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268. [aprssig] Re: Datum Standard for APRS

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Wed, 07 Feb 2001 08:01:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133559-2001.02.07-08.15.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> On Tue, 6 Feb 2001, Joe Foor wrote:
>
> > A single global datum is a fine idea. But, as I understand it, the USGS
> > 100k files, used to make dos maps, are based on the NAD27 datum.
> > Consequently, those of us who use those files to make local maps are
> > pretty much stuck with configuring our gps receivers to also use the NAD27
> > datum, for the best accuracy.
>
> What I would love to see is a conversion program written and then I could
> run all the DOS maps through it to convert them all to WGS84 once and for
> all...

That isn't as far-fetched as you might think, but it's not gonna be
anytime real soon before I can devote a lot of time to coding for
hobby-time. Too many cycles are going for work.

What I can do is help the interested parties look at and work with the
reprojection libraries out there.

Gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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269. [aprssig] Deaf TH-D7A(G)?

From: Peter Anderson <panderson@CenterPartners.com>
Date: Wed, 7 Feb 2001 07:11:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133563-2001.02.07-08.26.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been playing around with my D7A and have found the when the internal
TNC ins turned on it hears the APRS frequency just fine and picks up the
stations just fine with no trouble at all. However when the TNC it turned
on andthe display reads packet and I am running the pocket APRS program the
HT seems to do deaf, no stations appear on the screen and there does not
seem to be a signal into the HT. I have had another HT turned on at the same
time to make sure the APRS frequency can be heard from the same location.
Both are Kenwood radios and have the stock antenna on them so no difference
there. Has anyone else had this problem? And if so how was it corrected?
Any information would be most helpful.

Peter Anderson
Qwest Choice TV and Online Tech
Work: (970) 206-8415 Ext 6401

Fax: (208) 567-4578

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270. [aprssig] Re: Deaf TH-D7A(G)?

From: "Eric & Marlene Reid" <reid@sympatico.ca>
Date: Wed, 7 Feb 2001 09:20:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133564-2001.02.07-08.35.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes!
I forgot to disable the battery saver.
Eric
ve3gsi@canada.com

----- Original Message -----
From: "Peter Anderson" <panderson@CenterPartners.com>

> I have been playing around with my D7A and have found the when the
internal
> TNC ins turned on it hears the APRS frequency just fine and picks up the
> stations just fine with no trouble at all. However when the TNC it turned
> on andthe display reads packet and I am running the pocket APRS program
the
> HT seems to do deaf, no stations appear on the screen and there does not
> seem to be a signal into the HT. I have had another HT turned on at the
same
> time to make sure the APRS frequency can be heard from the same location.
> Both are Kenwood radios and have the stock antenna on them so no
difference
> there. Has anyone else had this problem? And if so how was it corrected?
> Any information would be most helpful.
>
> Peter Anderson

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271. [aprssig] Re: Datum Standard for APRS

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Wed, 07 Feb 2001 08:23:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133566-2001.02.07-08.37.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'll take a stab at it Bob, I just need the algorithm. I'm guessing that with the corret x,y,z and
ellipsoid information you should be able to convert to/from any datum.

Line output, compressed or regular for the output?

>>> Gerry Creager n5jxs <gerry@cs.tamu.edu> 02/07/01 08:01AM >>>
Bob Bruninga wrote:
>
> On Tue, 6 Feb 2001, Joe Foor wrote:
>
> > A single global datum is a fine idea. But, as I understand it, the USGS
> > 100k files, used to make dos maps, are based on the NAD27 datum.
> > Consequently, those of us who use those files to make local maps are
> > pretty much stuck with configuring our gps receivers to also use the NAD27
> > datum, for the best accuracy.
>
> What I would love to see is a conversion program written and then I could
> run all the DOS maps through it to convert them all to WGS84 once and for
> all...

That isn't as far-fetched as you might think, but it's not gonna be
anytime real soon before I can devote a lot of time to coding for
hobby-time. Too many cycles are going for work.

What I can do is help the interested parties look at and work with the

reprojection libraries out there.

Gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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272. [aprssig] GPS 162

From: "wes johnston" <wes@johnston.net>
Date: Wed, 7 Feb 2001 10:03:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133575-2001.02.07-09.26.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm in the final stages of buying my a Garmin GPS162. Anyone got one
already? Any complaints? How about the R&R map source data? Can you
"find" a street with some sort of search function? Anyone got the model
with the internal antenna? I'd prefer the external, but the unit is so
large (good), that it'll have to be up kinda high on the dash and therefore
the antenna will also see the sky. Any tips / setup info would be
appreciated. Really looking forward the the large display and plotting
stations on the screen.

Wes

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273. [aprssig] Re: GPS 162

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Wed, 07 Feb 2001 10:11:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133596-2001.02.07-10.55.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IMHO the GPSMap 162 is one of the best GPSs available for Mobile APRS. In combination with a D700 it's
as close to a total APRS "appliance" as it gets. You won't need a laptop unless you are after advanced
APRS functionality.

The following are features I think relevent to APRS use:

 - Large easy to see screen, (240X240 Pixel) 4 level gray scale, easy adjustment of brightness and
contrast. Easy to see even in DIRECT SUNLIGHT.
 - Backlit menu buttons for easy control and navigation, even at night. I have memorized most of the
key combinations I use frequently.
 - Every screen can be customized to display only the information you are interested in. I display
Time, Altitude and Track.   Almost everything is configurable, including how map elements display.
 - About 1MB more memory (2.5 Total) than the GPSIII+, so more maps. I have R&R for 24 counties loaded.
 - Waypoints work great and display the entire call sign.
 - You can easily change the symbol for waypoints. I change the waypoints for digis and mobiles I track
 all the time, which allows me to delete the accumulation of "default" waypoints every once and awhile.
- The proximity alarm is great. I always know when KC0CZI is within a half mile so I can go the other
direction.

The Garmin folks tell me that the GPSMap162 is very similar to the GPSIII+, just a larger display and
more memory.

I purchased the unit with the external marine antenna. Looks unusual, but getting anything on the dash
of a Jeep Cherokee is a challenge. (Or any radio for that matter)

Garmin advised that the "internal" antenna can be purchased at a later time. The "internal" antenna is

actually a bolt on external device which ends up covering the BNC connector.

- Get the RAM mount. Considering what the other RAM mounts cost, the $30 extra was well worth it.
- Upgrade to firmware verson 2.52. This will let you input waypoint information from radios like the D700.
- I haven't tried any search functions for streets so don't know if its in there are not.
- Check out http://www.cyber-marine.com I purchased the GPSMap 162 for less than what I would have paid for a GPSIII+. (about $350 internal, $372 External)

Gripes:

I would like to see is that support for memory cards be added. 2.5Mb is not very much.
I understand that elevations over 1000 feet are displayed in decimal miles, but I haven't been able to verify this.

If you are looking for street navigation, the Pilot is probably a better product, but of course it DOES NOT support inputing of waypoints via radios like the D700.

Regards,

Rich Beckwith Wn0x

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274. [aprssig] Re: [aprsspec] APRServe question

From: Guy Story <kc5goi@tapr.org>
Date: Wed, 7 Feb 2001 10:47:23 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-133598-2001.02.07-11.01.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill, yesterday not only did I not get acks back from stations I was sending requests or messages to, I would never get back the response. I did not try first.aprs.net or third. What I was doing was sending messages and ?APRS? to stations that had to go through my server. I can alter the conf file, upload it to the server and restart the server remotely so getting third.aprs.net out of the loop was easy, I have had troubles with first.aprs.net making a connection. second.aprs.net and socal have been reliable connections and behavior.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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275. [aprssig] RE: [aprsspec] APRServe question

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 7 Feb 2001 10:53:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig@lists.tapr.org" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133601-2001.02.07-11.07.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Guy,
  What is the proper behavior? I expected that a packet that I placed on the feed, would be echoed back. Only second.aprs.net did this. Shouldn't each server perform the same way?

I am not having any trouble connecting to first, second, or third this morning. I am no longer attempting connections to aprs.net and socal. Seems to be more reliable this way.

Bill

On Wednesday, February 07, 2001 10:47 AM, Guy Story [SMTP:kc5goi@tapr.org]

wrote:
> Bill, yesterday not only did I not get acks back from stations I was
> sending requests or messages to, I would never get back the response. I
> did not try first.aprs.net or third. What I was doing was sending
> messages and ?APRS? to stations that had to go through my server. I can
> alter the conf file, upload it to the server and restart the server
> remotely so getting third.aprs.net out of the loop was easy, I have had
> troubles with first.aprs.net making a connection. second.aprs.net and
> socal have been reliable connections and behavior.
>
> 73,
>
> Guy Story
> KC5GOI
> kc5goi@tapr.org
> http://www.kc5goi.net
>

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276. [aprssig] RE: [aprsspec] APRServe question

From: Guy Story <kc5goi@tapr.org>
Date: Wed, 7 Feb 2001 11:00:56 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133605-2001.02.07-11.15.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve gave the answer I could not have. I was not aware the APRSserve did
echo back. I personally am not concerned about seeing what I send being
echoed back but I think I see Steve's reasoning. It also makes a good
diagnostic tool. I do not know why third.aprs.net was not passing
responses or for that matter the requests to the destination. first and
third are aprsD. My thoughs are a config issue but I do not know that for
a fact. I did receive an email from the sysop of third.aprs.net last
night and I am going to try something tonigh since he changed the config
yesterday.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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277. [aprssig] Deaf HT question update

From: Peter Anderson <panderson@CenterPartners.com>
Date: Wed, 7 Feb 2001 10:30:24 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133624-2001.02.07-11.45.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Back again once again. I need to update some information. The HT that I am
running I have disabled all the savers and the HT is running in packet mode
with a Palm IIIe attached and a GPS12 for a complete APRS station. The Palm
is on and the HT has the packet shown up on the display. My position has
shown up on the screen but no other stations have shown up. It's like the HT
has not heard any packets from any station but mine show up on the screen.
But when just the HT and the GPS are connected the packets show up when just
the TNC is on the HT is not showing packet the traffic is heard just fine. I
hope that answers some questions that have come up.
Peter

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278. [aprssig] ts2000 kenwood

From: larry nimmons <n4obh@yahoo.com>
Date: Wed, 7 Feb 2001 09:39:39 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133631-2001.02.07-11.53.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
******************************************************
|             TS-2000
|
|               APRS 2 MTRS
|
|                  +
|
|                   HF
|
******************************************************
```


_____
Do You Yahoo!?
Yahoo! Auctions - Buy the things you want at great prices.
http://auctions.yahoo.com/

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279. [aprssig] Mobile Satellite Pass Periods

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 7 Feb 2001 12:46:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133634-2001.02.07-12.01.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile/FM Satellite Pass Periods for the week of 02-07-2001

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
UO14         **********                      ***********
AO27       **********                     ***********
ISS_                             * ************* * *********** ***
SO35                            *********                          ******
UO22 **********                      ***********
OPAL           ******** *                               *** **** *
```

Note: Times are LOCAL SUN TIME for MID Northern Latitudes. Use this to
plan your mobile operations during commuting and distant travels.

Note2: SUNSAT is reported as INOP. After many weeks of recovery efforts.

This message is just a general indication of the times when you can expect
one or more passes above 10 degrees. It may be useful for you in deciding
what satellites in general to work on your commute or special trips...

On my FIXED FONT email system, the text graphics looks fine and the lines
are not wrapped. I don't know what your Email system will do to it...
If it wraps on most peoples screens, tell me where to cut it off so that
it doesnt wrap. Notice that I chose it to start a 6 AM...

de WB4APR@amsat.org, Bob
See APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html

---
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280. [aprssig] RE: Deaf HT question update

From: "R. J. Ayres" <rayres@iridiumtechnologies.com>
Date: Wed, 7 Feb 2001 10:50:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133639-2001.02.07-12.04.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a number of QRM problems when attaching my Palm to a D7, I have
not resolved them properly yet, but initial investigations seem to indicate
that my palm puts out a lot of QRM at about 144.390 (it just had to happen
that way, didn't it :))

R. J.

KD7LSC

-----Original Message-----
From: bounce-aprssig-22240@lists.tapr.org
[mailto:bounce-aprssig-22240@lists.tapr.org]On Behalf Of Peter Anderson
Sent: Wednesday, February 07, 2001 10:30 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Deaf HT question update

Back again once again. I need to update some information. The HT that I am
running I have disabled all the savers and the HT is running in packet mode
with a Palm IIIe attached and a GPS12 for a complete APRS station. The Palm
is on and the HT has the packet shown up on the display. My position has
shown up on the screen but no other stations have shown up. It's like the HT
has not heard any packets from any station but mine show up on the screen.
But when just the HT and the GPS are connected the packets show up when just
the TNC is on the HT is not showing packet the traffic is heard just fine. I
hope that answers some questions that have come up.
Peter

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281. [aprssig] WinAPRS+ SCS PTC-IIe: Anybody got working?

From: Ken Wickwire <kwick@mitre.org>
Date: Wed, 07 Feb 2001 17:50:29 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133640-2001.02.07-12.05.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody got Win/MacAPRS working with the PTCIIe in 300 baud HF packet mode?
>
> I can send posns and see incoming packets, but no posns appear on my WinAPRS maps.
>
> If you have it working, what's the set of commands you're setting up the ptc2e with?
>
> kwick@mitre.org

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282. [aprssig] Re: Yellowstone & APRS

From: Ken Brown <W2KB@compuserve.com>
Date: Wed, 7 Feb 2001 12:56:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133643-2001.02.07-12.11.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> Work'n with the 'locals' up on Harney/Terry Peaks, (Black Hills) South
Dakota with a possible digi... <<

Clay,

That for Sturgis? ;)

---Ken W2KB@ARRL.net

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283. [aprssig] Re: Map Datums

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Wed, 07 Feb 2001 12:08:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133648-2001.02.07-12.22.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about it guys, any math heads out there?

>>Rich wrote:
>> The key here is the code for conversion, I have looked around and most datum conversion products run in the $500 dollar range (Tralaine). I >>can read any DOS map and store it internally as X/Y coordinates to 5 decimal places. Finding someone who understands the math and can >>provide the framework for conversion is critical. I am not a mathmetician.
>
> Same here....
> bob

Also I checked on my conversions, I can store the data to substantially more than 5 decimal places, I just hadn't run across any DOS maps that required that kind of accuracy. I am using 4 byte, single precision variables for the x and y coordinates. ESRI shape files use Double precision varibles stored in little endian format, but then again, were not doing GIS here.

Rich - Wn0x

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284. [aprssig] Re: WinAPRS+ SCS PTC-IIe: Anybody got working?

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 7 Feb 2001 18:14:08 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133651-2001.02.07-12.28.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-133640-2001.02.07-12.05.55--roger#peaksys.co.uk@list
s.tapr.org>, Ken Wickwire <kwick@mitre.org> writes
>Anybody got Win/MacAPRS working with the PTCIIe in 300 baud HF packet mode?
>>
>> I can send posns and see incoming packets, but no posns appear on my WinAPRS
>maps.
>>
>> If you have it working, what's the set of commands you're setting up the ptc2e
>with?

If your monitored frames have a structure like this from the PTC-IIe I'm
using at the moment -

fm MB7UAA to APRS via RELAY WIDE ctl UI^ pid F0
=5258.24N/00002.76W-Roger in Boston {UIV32}

then I don't think you'll ever persuade most APRS software to recognise
them.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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285. [aprssig] APRStk Rotator Control

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 7 Feb 2001 13:43:29 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-133659-2001.02.07-12.57.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just posted ASTK-EXE.ZIP which contains APRStk.exe and supporting files
which are now capable of driving the Radio SHack Archerotor from 2 pins
on the parallel port. Consider it a BETA.

This is not an attempt at an OSCAR class station, but a simple way to use
a cheap rotator and small UHF beam tilted up at 10 degrees to copy all the
LEO birds in view. It is a DOS program and assumes it is running in a
full APRSdos installation. (APRS848.zip) Be SURE to read
README\APRStk.TXT

Even without the interface and actually moving the antenna, the program
will plot your beam pattern on the map. Any interface will do as long as
pin 2 causes your rotator to go right and pin 3 causes it to go left...

Download from ftp://tapr.org/aprssig/dosstuff/APRSdos/astk-exe.zip
UNZIP with PUNZIP -D or WinZIP into your existing APRS(dos) directory.

de WB4APR, Bob

> Bob Wrote:
>
> It uses two LPT output pins to tell the controller to go CW or CCW.
> I bagged up a $20 interface that goes between these pins and the 30VAC
> in the Radio Shack controller, or you can build your own. Your rotator
> must have a mechanical stop at SOUTH and must rotate at constant RPM.
>
> WB4APR, Bob Bruninga
> 115 Old Farm Ct
> Glen Burnie, MD 21060

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286. [aprssig] Re: Deaf HT question update

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 07 Feb 2001 13:15:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133665-2001.02.07-13.29.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Back again once again. I need to update some information. The HT that I am
>running I have disabled all the savers and the HT is running in packet mode
                                          ================================
                                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

With the HT running in packet mode, it passes all packets to the serial port
out. The radios APRS software does not process them/see them. So, your
external application, listening to these packets must do everything you need
for APRS.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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287. [aprssig] Tripmate

From: "Paolo Torres" <towman@hawaii.rr.com>
Date: Wed, 7 Feb 2001 13:21:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133666-2001.02.07-13.35.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Refurbish Tripmates are available for $50 at www.delorme.com
Anyone knows if there is something cheaper & less hassle.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

288. [aprssig] Re: Tripmate

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Wed, 7 Feb 2001 12:27:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133667-2001.02.07-13.42.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

already picked up 4 my self , toss in a tini tracker , there you go
----- Original Message -----
From: "Paolo Torres" <towman@hawaii.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 07, 2001 1:21 PM
Subject: [aprssig] Tripmate

>
> Refurbish Tripmates are available for $50 at www.delorme.com
> Anyone knows if there is something cheaper & less hassle.
>
> ---
> You are currently subscribed to aprssig as: n0zed@rmaprs.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

289. [aprssig] Re: APRS Rotator

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 7 Feb 2001 14:40:22 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133669-2001.02.07-13.54.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 5 Feb 2001, Alex wrote:

> Is there also a command which will let you pick which pins to use?

No, not at this point. Maybe later. The conector I supply is just a 2
pin header. You plug it into any two adjacent pins on the DB-25 parallel
port. For now, at this BETA stage, pins 2 & 3 are what the software talks
to...

bob

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290. [aprssig] Re: ts2000 kenwood

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 7 Feb 2001 14:43:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-133670-2001.02.07-13.58.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 7 Feb 2001, larry nimmons wrote:

> **********************************
> | TS-2000
> | APRS 2 MTRS

```
> |                  +
> |                   HF
> *********************************

Not sure what this means, but if you have one, and you live in range of an
APRSdata server that is posting Satellite schedules on the 144.39
frequency in your area, then I am curious if the TS-2000 will copy those
SKED's and put them on the DX SPOT window on the radio?  Monitor the
channel for at least 15 minutes and you should capture one...

To see where the APRSdata servers are go to:

http://web.usna.navy.mil/~bruninga/satinfo.html

Thanks
Bob



---
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```

291. [aprssig] re:Tripmate

```
From: bftet@netscape.net (Bill Tetens)
Date: Wed, 07 Feb 2001 14:46:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, myetsko@insydesw.com
Message-ID: <LYR842-133671-2001.02.07-14.01.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

If you haven't gotten the following infor go to www.dididahdahdidit.com and yes that is a legimate site. There you will find a link to the site that has the info you need. The tripmate is what I am using.

```
"wes johnston" <wes@johnston.net> wrote:
>
> Mike Yetsko <myetsko@insydesw.com> said you had to short pins 2 and 3
> toether to make the tripmate start....you also have to raise DTR high (pin
> 4).  See http://wes.johnston.net/aprs/tripmate.htm for details.
>
> Wes
>
>
> ---
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>
>
_____________________________________________________________
Get your own FREE, personal Netscape Webmail account today at http://webmail.netscape.com/

---
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```

292. [aprssig] Re: Tripmate

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 7 Feb 2001 14:49:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133672-2001.02.07-14.02.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

From: Paolo Torres <towman@hawaii.rr.com>
> Refurbish Tripmates are available for $50 at www.delorme.com
> Anyone knows if there is something cheaper & less hassle.

The only thing I know of 'cheaper' is a while back one of the
'discounters' got some modules that I seem to recall were Rockwell.
One speculation was they were overproduced for GM vehicles with
GPS options. I seem to recall $25 or so. But since these were
'raw' modules, with no case, no power supply, no 'standard' interface,
and required a PIC to be the go-between to be anything close to
standard, I hardly think they classify as 'less hassle'.

Besides, I don't think they are available any more.

Mike

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293. [aprssig] re:Tripmate

From: Steve Bragg <steve@hamhud.net>
Date: Wed, 07 Feb 2001 14:06:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133673-2001.02.07-14.21.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Tetens wrote:

> <snip> go to www.dididahdahdidit.com and yes that is a legi[ti]mate site.

Yes, indeed. Jeff Brenton's excellent site is well known to (and
well-accessed by) many of us here on the APRS SIG.

73,

Steve KA9MVA

```
--- __ __ ___   _____  __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
=======================================================
Steve Bragg KA9MVA    ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9
```

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294. [aprssig] re:Tripmate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 7 Feb 2001 15:09:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133674-2001.02.07-14.23.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If you haven't gotten the following infor go to
www.dididahdahdidit.com and yes that is a legimate site. There you
will find a link to the site that has the info you need. The tripmate
is what I am using.

Bill,

While I like that site, and find it useful, I have an INCREDIBLE
aversion to hacking a piece of equipment just to hack it. If you
look at the abuse that was done to the TripMate carefully, you
will see that EVERY SINGLE THING that was done on that page
for the mod could just have easily been done externally to the
unit.

And it could have been done neatly. Almost entirely inside a
DB-9 shell.

There was ABSOLUTELY NO REASON WHATSOEVER to
open the unit up and make changes.

But doesn't it make it more compact to do it that way? Maybe
by an incredibly marginal amount.

Is there really a down side?

Sure!

Try to get a unit fixed by DeLorme that's been hacked. In OR out
of warrantee.

Look at the resale value when the potential customer sees a hack,
as opposed to the resale value of a 'perfectly stock' unit. Heck,
you can't even guarantee that someone could DEMO a unit unless
you had the whole setup there. And then when the customer would
get the thing home, he won't know if it would work unit he hacked the
OTHER side (his equipment) to go with it.

Try to borrow a quick replacement unit for a field day, special event,
whatever, if your hacked unit goes south. Say you CAN borrow one.
Now what? Hack the borrowed unit? Or take the borrowed unit and
just PLUG IT IN to the external interface after putting the jumper
inside the unit.

With a stock unit, you can make up a DB-9 shell to be the interface
for your 'custom' interface issue. Then ANOTHER DB-9 interface
for a DIFFERENT interface issue if the unit may need to be unplugged
and used elsewhere. For example, I have a DB-9 shell on mine that
has a 'mini-din' to plug to a laptop keyboard connector for power.
I can plug in and be operational in seconds. If I need to have a
'custom' hookup, like a vehicle tracker, I can build the 'custom' part
inside the OTHER box, not the TripMate, or even better, leave the
DB-9 on the OTHER box generic, keep the TripMate the same, and
again make up a DB-9 M/F shell to be the custom.

While I like that site, hacking ANY unit when something can be done
without detectable damage is something that makes my skin crawl.
And yes, I DO consider what some people describe as 'modifications'
to the TripMate as 'damage'. Unless I was desperate, I wouldn't touch
one at a flea market for more than a third of what I'd pay for a stock
one, and then only after I SEE it work.

Mike

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295. [aprssig] Re: Tripmate

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Wed, 7 Feb 2001 13:09:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133675-2001.02.07-14.24.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

HAve one of them also , but never did anything with it . with the tripmate ,
do the mod to supply the dc thru the db9 , slap in the TT2 with a t220 7805
and feed the gps's 5v off the TT2 mounted in the batt box of the tripmate
add a alinco dr190 and a full tracker . very painless !
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 07, 2001 12:49 PM
Subject: [aprssig] Re: Tripmate

> From: Paolo Torres <towman@hawaii.rr.com>
> > Refurbish Tripmates are available for $50 at www.delorme.com
> > Anyone knows if there is something cheaper & less hassle.
>
> The only thing I know of 'cheaper' is a while back one of the
> 'discounters' got some modules that I seem to recall were Rockwell.
> One speculation was they were overproduced for GM vehicles with
> GPS options. I seem to recall $25 or so. But since these were
> 'raw' modules, with no case, no power supply, no 'standard' interface,
> and required a PIC to be the go-between to be anything close to
> standard, I hardly think they classify as 'less hassle'.
>
> Besides, I don't think they are available any more.
>
> Mike
>
>

>
> ---
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>
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296. [aprssig] Did I make a mistake?

From: "Jim Oleson KB0OIJ" <kb0oij@Olesonsplace.com>
Date: Wed, 7 Feb 2001 12:27:32 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133678-2001.02.07-14.42.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Question: Did I make a mistake buying the Magellan 310?

I plan on using this with a Kenwood TM-D700A and a PocketPC and/or laptop.

Thanks!

Jim Oleson KB0OIJ

297. [aprssig] Re: Tripmate

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 07 Feb 2001 14:44:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133682-2001.02.07-14.59.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:09 PM 2/7/01, Mike Yetsko wrote:

>While I like that site, and find it useful, I have an INCREDIBLE
>aversion to hacking a piece of equipment just to hack it. If you
>look at the abuse that was done to the TripMate carefully, you
>will see that EVERY SINGLE THING that was done on that page
>for the mod could just have easily been done externally to the
>unit.

Careful Mike, you have committed blasphemy on this SIG. Promoting the
option of not taking a jeweler's saw, screwdriver, and a soldering iron to
every piece of hardware you own is considered by many here to be akin to a
crime.   Having be personally been called Lazy, Stupid, Jerk, Schmuck,
Shill for the industry, and worse, by over 20 people on the APRS SIG I
should know.

Remember it's always best to spend the least amount of money up front and
then expend all your time and energy kludging together disparate parts and
searching for "bargains."   I'm told if you do anything less "you are not
worthy of this hobby."

It is much better to spend $50 on a '"reconditioned" Tripmate than to spend
$73 on a new Rand McNally GPS engine (that runs on 12 volts and requires no
modifications to work).

73,

Mark
KC7BXS

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298. [aprssig] re:Tripmate

From: K3for@aol.com
Date: Wed, 07 Feb 2001 15:53:02 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-133684-2001.02.07-15.07.49--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Whoah, Mike!

>>you will see that EVERY SINGLE THING that was done on that page for the mod could just have easily been done externally to the unit.

Yes, I agree on that. BUT, the Tripmate has lots of space inside, and much less wear and tear on wires inside the case than inside a DB-9 shell. Both ways have advantages, and I'm not sure the NEVER-HACK-ANYTHING rule is justified. User-beware, sure, but we are hams, ergo "open up the case".

>>Try to get a unit fixed by DeLorme that's been hacked. In OR out of warrantee.

Try to get a Tripmate (which is no longer made) fixed PERIOD, in or out of warantee, hacked or not!

>> Look at the resale value when the potential customer sees a hack, as opposed to the resale value of a 'perfectly stock' unit.

Who are you selling to - another APRSer? He'll say, cool, thanks for "opening that up" for me!

A no-tech? Won't see the hack - so, who cares?

>>Heck, you can't even guarantee that someone could DEMO a unit unless you had the whole setup there. And then when the customer would get the thing home, he won't know if it would work unit he hacked the OTHER side (his equipment) to go with it.

Not true. You can demo a hacked Tripmate on ANY computer with a terminal program and comm port. And except for a power-via-a-pin hack, there's no other-side issues.

>>Try to borrow a quick replacement unit for a field day, special event, whatever, if your hacked unit goes south. Say you CAN borrow one. Now what? Hack the borrowed unit? Or take the borrowed unit and just PLUG IT IN to the external interface after putting the jumper inside the unit.

Answer is have another (cheap!) hacked Tripmate at the ready (I have 3.) Your hacked DB9F-DB9M add-on is not a bad idea, but it adds fragile length to the comm connection. Remember, a failed mechanical connection can just as easily damage the computer/TNC as the GPS - you MUST make it secure.

>>Unless I was desperate, I wouldn't touch one at a flea market for more than a third of what I'd pay for a stock one, and then only after I SEE it work.

You must have been burned at one too many hamfests. My experience is the opposite. I see far more damaged equipment being sold that was damaged by misuse, rather than by someone performing modifications to it, especially well-documented hacks.

Kudos to www.dididahdahdidit.com

Skip

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299. [aprssig] re:Tripmate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 7 Feb 2001 16:21:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133692-2001.02.07-15.34.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Whoah, Mike!
>
> >>you will see that EVERY SINGLE THING that was done on that page for the mod could just have easily been done externally to the unit.
>
> Yes, I agree on that. BUT, the Tripmate has lots of space inside, and much less wear and tear on wires inside the case than inside a DB-9 shell. Both ways have advantages, and I'm not sure the NEVER-HACK-ANYTHING rule is justified. User-beware, sure, but we are hams, ergo "open up the case".

Actually, I was thinking about putting the regulator inside the unit.
Being paranoid of accidently feeding +12 is taking it's toll. But then,
I've loaned out my TripMate to a friend.

But then I would have to unhook it if I wanted to power from the laptop
at +5v. Then again, I can 'tap in' on the power cord to the laptop.
Well,
some laptops. I have two that ground is not ground. Ouch! Turns out
one converts the +12 and ground to +9 and -3. So the ground is sitting
at +3 relative to the power connector.

Now I have the GPS12, and I'm VERY paranoid of that getting +12
by mistake!!! I have the 'car kit' for it. Now I have to make up a
car/laptop kit for it...

Mike

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300. [aprssig] Re: Message from sdimse@earthlink.net

From: John Ackermann <jra@febo.com>
Date: Wed, 07 Feb 2001 16:36:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133694-2001.02.07-15.50.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone interested in the question of how "open" APRS is should review the
APRS WG Charter (available at the TAPR website). There's a pretty clear
and careful distinction drawn there between Bob's rights to the APRS
trademark, any author's right to their software, and the APRS on-air
protocols. The intent of the group -- including Bob -- was to ensure that
anyone can freely develop applications and products that use the APRS
protocols. If they want to use the APRS name as a trademark, they need to
talk to Bob. If they want to use or build on existing applications, they
need to talk to the appropriate author. But the protocol is free.

John N8UR
jra@febo.com

In message <LYR21289-133441-2001.02.06-18.39.55--jra#febo.com@lists.tapr.org> y
ou wrote:
>On Tue, 6 Feb 2001, Kevin Brown wrote:
>
>> As it stands right now...virtually anything anyone does for APRS...ends up
>> benefiting you financially in some way.
>
>Wow, "show me the money!"
>
>Tell me where it is piling up, I'm obviiously missing something here...
>:-)
>
>Yes, I got a trademark for APRS, but since I gave the detailed
>specifications to the APRSwg in 1998 for publishing in the APRS SPEC for
>the benefit of HAM radio, I have not made one single new deal with anyone,
>anywhere.. period.   No such new benefits are accruing...
>
>Me thinks you are missinformed. I do this for fun. although it is awfuly
>painful at times.
>
>Bob, WB4APR
>
>
>
>---
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

301. [aprssig] Re: Tripmate

From: Jeff King <jeff@aerodata.net>
Date: Wed, 07 Feb 2001 16:37:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133696-2001.02.07-15.53.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

> spend
> $73 on a new Rand McNally GPS engine (that runs on 12 volts and requires no

Where are you getting those? I need something cheaper then the GPS-35's
I am using for a few projects.

Thanks

Jeff

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302. [aprssig] re:Tripmate

From: Robbie Robertson <mwrobertson@mediaone.net>
Date: Wed, 07 Feb 2001 15:38:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133698-2001.02.07-15.54.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The mods you're talking about hasn't finished the hacking
yet... Remove the Patch antenna and install a BNC connector
for an Active antenna. Of course you also have to add the
5vdc to power the antenna!

Now that big Yeller glob can be hidden in the trunk where it
belongs with the rest of the radio stuff, :-)

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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303. [aprssig] APRS WG membership criteria

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 7 Feb 2001 15:32:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133709-2001.02.07-16.45.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why is the WG membership rather small? Why is it experiencing negative
growth? We need look no further than:

>The group is open to consider any other authors of major
>contributions to APRS software to participate.

Bob was the person who wrote those words (it was nothing more than a simple
statement of fact), but I actually have no idea who originated this
condition. For what it might be worth I believe that the condition is too
limiting.

a.1) In the grand scheme of things, hardware to run APRS is indispensable,
and we are likely to need some advancements there in the not so far future.
Also new developments spring up all the time from any quarter.
I'm aware of at least one instance of one major APRS SW product assimilating
a behavioral feature that was originally developed in a hardware project.
(This week yet another SW package that has it was announced). We can move
beyond the state of having SW react to (or struggle to tolerate) new HW
introductions - we can move into a partnership stage.

a.2) Commercial vendors may continue to bring new APRS products to market,
and they might be more than happy to work towards satisfying a spec that's

derived from consensus.

b) For the current hot issue, Aprserve, one would think that the skill set of someone like a networking professional (or professor for that matter) would be highly sought after even if they had never written a line of code.

c) You don't have to be an APRS entrepeneur to have good ideas. Being able to think deeply and clearly is an asset in it's own right, no matter how the monthly rent gets paid.

I was happy to read this from Bill Diaz:

>Great, we can use anyone who has something to offer.

73,
Tony KD7TA

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304. [aprssig] APRS WG membership criteria

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 7 Feb 2001 15:41:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133710-2001.02.07-16.54.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a further clarification of the intent of my previous message, it is not a slam on anyone.

Bob B. said it well:

>If anyone feels left out, please step forward.

I wanted to suggest that beyond the possibility of individuals being left out, I perceive that categories of expertise may be left out. The approach of selecting authors of SW with substantial installed bases is of course a perfectly pragmatic way of selecting the SW author component of the WG.

73,
Tony KD7TA

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305. [aprssig] Wx Programs and APRS

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 7 Feb 2001 16:41:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133711-2001.02.07-16.56.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ya know APRS is making real inroads when two different Weather Logging and Display programs now have MENU options to write APRS compatible files. I have looked at both Virtual Weather Station (Ambient Software) and Weather-Display. Both have menu items that write a file that looks like this:

02/07/01 16:14
022/000g002t025r000P000p000h100b10121

In VWS, it is written once per minute. I haven't had a chance to check the Wx-Display program yet because of some problems between it and my wx station. The author is VERY responsive and is working on it.

As Roger (of UI-View fame) so aptly pointed out in an earlier post, there is a definite advantage if good wx programs write an aprs compatible file every 'x', in that ANY aprs program that wants to add wx support has only to modify their own code to go read the file every 'x'...it's already in a usable format. No more having to choose which APRS program to use simply because of which weather station it supports.

Advantages:

1. Wider compatibility with various weather stations. This is the JOB of the wx program and they do it very well. It's always an add-on to APRS and support is limited to a few weather stations.

2. Reduction in code requirements for APRS. It's easier to grab a file than write drivers/parsers for a ton of wx stations.

3. Freeing up of a serial port....if you're into weather, you already have a serial port committed to weather logging and display.

4. Offloading of the processing required for wx support in APRS is possible. The wx program can reside anywhere on a network and aprs can still go get the file and use it. Some of the wx program authors are working on the ability to write network qualified files/paths, so it can be done on either end.

5. Full function wx logging and analysis in the wx program, where it belongs. (further reduction in code bloat)

6. Flexibility: as new, popular wx stations come out...who is most likely to be the early adapter, an APRS author (already burdened to the breaking point), or the wx program authors, whose primary job is to support popular wx stations?

7. Custom support: who is more likely to do a custom job for your wx station that isn't currently supported? (same notion as above). I have found Brian (of Wx-Display fame), to be incredibly responsive.

Disadvantages:

1. You may have to buy a new wx program if you don't already use one of the above. Wx-display is only 30 bucks. VWS I can't recall. They are both extraordinary display and analytical tools.

2. To take advantage of distributing the program/memory load, you do need a 2nd computer and a network card. (This is not necessary for the concept of separating the wx functions from aprs, but it is a real convenience if you already have a "little" network.

As you can tell, I really like Roger's idea. I hope the existing APRS authors will consider just how much merit this idea has.

I would also be interested in hearing (on the list) from those who think this idea is idiotic. (and why)

http://www.ambientsw.com

Virtual Wx Station URL above

http://www.weather-display.com/

Weather-Display URL above

73

hasan schiers, NØAN
schiers@netins.net

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306. [aprssig] Re: Rand McNally GPS (Was: Re: Tripmate)

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 07 Feb 2001 16:51:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133712-2001.02.07-17.05.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:37 PM 2/7/01, Jeff King wrote:

> > $73 on a new Rand McNally GPS engine (that runs on 12 volts and requires no

>
>Where are you getting those? I need something cheaper then the GPS-35's
>I am using for a few projects.

A while back Rand McNally was offering a discount to any online purchases
after you filled out a small questionaire. Total purchase price after
with taxes and shipping was $73 for mine. I do not know if they are still
doing that.

But their everyday online price is just $79 (not including shipping or
tax). Add $20 and you get their Street Finder Deluxe CD. I have seen
both options at Best Buy and CompUSA, too. Best Buy had a sale before
Christmas for the GPS and CD for $83.

http://www.randmcnally.com/

To find the GPS alone you have to go to the travel store option - then GPS
- then Rand McNally GPS, and then scroll all the way to the bottom. Their
web site uses some goofy script so you'll have to navigate there on your own.

For those not inclined on making their own 12 volt cable, RM now sells one
for $13. The also make interface cables for the Palm III and V.

John Galvin does and excellent dissection of the RM GPS - which is, BTW, a
Connexant Zodiac chipped unit made by Talon of New Zealand.

http://www.gpsnuts.com/mygps/GPS/Hardware%20reviews/RandMcNally/rand_mcnally_gps.htm

73,

Mark
KC7BXS

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307. [aprssig] RE: Using Aprs for Tracking and Setting Model Airplane Record

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 7 Feb 2001 16:00:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133716-2001.02.07-17.13.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Dave Beck" <dbeck@tds.net> asks:

>Simple Question 2: Is it possible to use APRS to steer the
>model from waypoint to waypoint? That is, can WinAprs be used to show
>corrections needed to keep the model on a course? How does one do it?

Hmmm, you have a GPS on board... you might consider using one that supports
navigation, if you don't already have that. It outputs formatted NMEA
sentences that autopilots respond to... you could build a mini-autopilot from
a PIC or Basic Stamp, and you pre-load the route to be navigated into the
GPS. It might be desirable to put in an override function so that you could
either return to full manual control of the model, or input incremental
changes on top of the autopilot commands. Those would be ways to avoid a tall
building that happens to lie on one of your great circle segments.

Any APRS component might be limited to messages you send which change the
operating mode (manual/autopilot control of the servos).

Just my $0.02 before taxes, not guaranteed to be worth even that much. But
man, some GPS units do quite a lot.

73,
Tony KD7TA

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308. [aprssig] Re: APRS WG membership criteria

From: Jeff King <jeff@aerodata.net>
Date: Wed, 07 Feb 2001 18:13:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133719-2001.02.07-17.28.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tony Arnerich wrote:

> I wanted to suggest that beyond the possibility of individuals being left
> out, I perceive that categories of expertise may be left out.

Well said. The layer one issues, which of course deal with RF, never really were addressed well by the old defunct WG, and those outsiders attempting to address them were dismissed as "pie-in-the-sky-futuristic ramblings" by certain members when in fact this is fundamental stuff from packet 101.

While this new WG is not going to address any of these issues in its first cut (as they are dealing with the internet side), we can hope this new spirit of openness will revisit the layer 1 issues. They are key to the growth of APRS on RF. Count me in.

-Jeff

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309. [aprssig] Re: NEW version of WinAPRS up on tapr

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Wed, 07 Feb 2001 16:18:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133724-2001.02.07-17.36.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:28 PM 2/6/01 -0500, Bob Bruninga blasted the following out into the ether:
>On Tue, 6 Feb 2001, Earl Needham wrote:
> > > It was possible, at one point, to add something like /A=004295/ to
> > either your status text, or else your position remark, and other stations
> > would show this as your altitude. I can't seem to get this to work any
> > more. did this go away, or am I doing something wrong?
>
>It is not in your status, but in the position comment. The terms STATUS
>and position COMMENT are sometimes confused. In the Kenwood, for example,
>the STATUS is placed in the actual POSITION report as a position comment
>since the Kenwood only transmits one type of packet, a Mic-E, which is a
>position report. THere is no separate STATUS.
>
>APRSdos anyway still recognizes it...

It appears that WinAPRS does not. Here's what I sent out and got no altitude info in WinAPRS:

>KD5XB>APW248,WA5IHL-11*,WIDE4-2:=3425.85N/10313.55W-PHG5150/A=004295/
>-NMCURCLOVIS -248-<530>

Thanks, Bob,
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath, you breathe...)

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310. [aprssig] A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: Arte Booten <n2zrc@webspan.net>
Date: Wed, 07 Feb 2001 18:04:42 -0500

Hi all,

My original intent on starting this thread was to see if there was any advantage in running WinAPRS under Windows 2000 Professional. From the comments I've seen, the problem is not OS dependent. Granted, Win2k is probably more stable generally than Win9x, but I don't think I'd want to upgrade solely for that reason.

James S. wrote:

>With WinAPRS unusable and APRS+SA not having the functionality I like,
>either something needs to happen to help WinAPRS stabilize or an alter-
>nate needs to come along.

There is an alternate. It's eminently stable, is extremely versatile and functional and will run on almost any PC-clone in existense. I have run this version for literally a year on end, without so much as a belch ... much less a fart (pardon the analogy!). It also predates WinAPRS and MacAPRS.

It's called APRSDos. Okay, it doesn't have some of the bells-and-whistles some other versions have. It won't speak the callsign of someone's station (but it will sound it out in CW). It won't color the outline of a county during severe weather events (but it will put a circle in the middle of that county). It doesn't show every street within your selected gridsquare or county (but street-level maps can be either found or made ... and you don't get all that clutter when maps are zoomed to larger scales).

It does allow you to use alternate paths for sending messages. It isn't a memory hog (it only uses the original DOS 640k). It's well supported by the author and gazillions of us users. Users can "roll their own" maps. There are a few versions available, including ones optimized for the maximum amount of stations (APRSMax), Satellite tracking and tuning (APRStk), Touch-screen [Citadel] computers (APRStch) and maximum functionality (APRSDos).

The Unhandled Exception has been an issue with WinAPRS since I began playing with that program. I started with version 0.2.0 ... this was the first public beta release. I've kept up with the program all of these years, looking to see if the UE (along with other issues I've discussed with TSB [The Sproul Brothers]) have been addressed and rectified to some modicum of satisfaction.

The UE problem has been explained to me by both Mark and Keith as being a problem with Windows ... which I do not doubt, to some extent. We all know that Mr. Gates has released a version or two of an OS which is, shall we say, less than perfect. But I think I've seen maybe one or two UE's with any program other than WinAPRS, which has given them to me even when there was no TNC attached to the computer.

I AM NOT SPROUL-BASHING! I've met and like both of them. Their efforts have brought more new APRS'ers "into the fold" than APRSDos ever did (sorry, Bob, but it's true!). Some of their innovations, especially the severe weather event features, have changed the way both we hams and many government (both local and state) agencies view ham radio and APRS.

You may get the impression from the above that I prefer APRSDos. I don't. I'd like to be able to use CD-map based maps. I'd like to have the ability to click on a station's icon (APRSDos users prefer to call them symbols) and see what QRZ has to say about them [too bad birthday information isn't there anymore ... but I do have a copy of QRZ 8, which does!). It'd be neat to scan a USGS topographical map and use it.

But I like to come home and see my copy of APRS (whichever version) still puttering away. At one time I was running APRSDos on an old Compaq SLT-386s/20 monochrome laptop. It has Dos 6.22 as the OS, a 60Mb harddrive (and drivespace, to make it 120Mb) and was QRV for over a year without freezing, rebooting or other malady. I call that stable.

If anyone else that's running some other version of APRS would like help setting up APRSDos, contact me. Or, better yet, take a look at my APRS articles, which have appeared on this SIG many times (and are in the TAPR APRSSIG archives). Of the 200+ stations on my screen right now there are 10 APRSDos, 3 APRSMax, and 1 APRSData station. Many stations appear as running APRS (in their TO field), some of which may be older

versions (pre 8-series) of APRSDos. Personally, I'd like to see this
number increase.

     To Bob: Some time ago I discussed the possibility of you creating
a version of APRSDos that was not fully backward compatible, utilizing
the advances made in 386-class or better processors and DOS 6, which can
allow use of extended memory. I have no doubt this would be a major un-
dertaking, but the possibilities inherent in breaking past the 640k bar-
rier would, IMHO, be worth it. APRSDos and TCP/IP. Many more points in
any given map. Additional functions yet to be thought of.

     These days, good 386's and 486's are available for nothing or next
to nothing. The "ancient" 80xx, 186 and 286's are actually hard to find
anymore. Is that much backward compatibility such an issue anymore?
+--+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+--+

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311. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: Ray Vaughan <ray@rayvaughan.com>
Date: Wed, 07 Feb 2001 18:45:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133734-2001.02.07-17.59.49--lyris.aprssig#tapr.org@lists.tapr.org>
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My platform is a P90 with NT40.   VERY stable OS. I think I'm going on a few months without a reboot.
It's running WinAPRS and PingPlotter only.   When WinAPRS shows a UE, I just close it, close the Dr.
Watson, the restart WinAPRS. It's never required the OS to restart. Unless you need USB, NT40 is a way
 to go.

I just tried something new that some of you might be interested in trying. My desktop is Win98, first
try.   I run a LAN at home on a LinkSys cable/ADSL router/switch

http://linksys.com/products/product.asp?prid=20&grid=5

I use fixed IP addresses on all the LAN comptuers, 192.x.x.x, not DHCP. So on my work station, I set up
 a new server name... the internal IP address of my WinAPRS server.   It works!   When I want to play
APRS, it gets its data from my server, not the national servers. Thus eliminating one user of load from
 x.aprs.net.

Funny thing is, when I do this, the server gets a UE, my desktop doesn't.   It's almost as if WinAPRS
2.4.8 filters out the UE for anyone connected to it.

At 06:04 PM 2/7/01 -0500, you wrote:
>Hi all,
>
>   My original intent on starting this thread was to see if there was
>any advantage in running WinAPRS under Windows 2000 Professional. From
>the comments I've seen, the problem is not OS dependent. Granted, Win2k
>is probably more stable generally than Win9x, but I don't think I'd want
>to upgrade solely for that reason.

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312. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 7 Feb 2001 18:10:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133740-2001.02.07-18.25.07--lyris.aprssig#tapr.org@lists.tapr.org>
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I don't have an axe to grind on this, having been a loyal supporter of
WinAPRS since it's earliest days.

Yet, I have a dumb question:

IF the UE problem is a WINDOWS problem in the way most people would seem to interpret that statement, WHY does APRS+SA not have the same problem? It's running on exactly the same machine that WinAPRS barfs on. Same OS, same Memory, same TNC... and it's a WINDOWS program.

What's different? The Program.

All dissembling aside, if two programs that do the same task, use the same OS, use the same hardware, produce totally different results in terms of hangs/unhandled exceptions, then I'm not interested in hearing, "It's a Windows Problem".

I don't know if TBS have said this in the context it is being put forward, in fact, I really doubt they would say such a thing. I don't think anyone could say it the way it is being used, with a straight face.

I'm NOT saying they have. Others have and I completely disagree with them. It ain't a Windows problem...it's a programming problem. The program has to function IN SPITE OF the OS's limitations. If it can't be done by ANYONE, then it's an OS problem...you can't get there from here. As soon as ONE person manages to get the task done in spite of the OS, then it ain't an OS problem.

If I hear one more time that the UE problems and the other assorted problems that have plagued this program for over a year, are a Windows Problem, I'm gonna scream!

(Anyone seen the movie "Network" with Albert Finney?)

No doubt, Win9x et al are difficult to program for. The simple truth is Brent's program doesn't have the problem. I hope I'm not speaking incorrectly, but neither does Roger's program. Same OS, same hardware, same fundamental task, windows based.

This is NOT intended as a complaint or bashing of TBS. I'm taking issue with those people who really do think this is a windows problem. Unless you define "windows problem" as "it doesn't act the way I want it to, or think it should", it is a programming challenge not a non-overcomeable limitation of the OS.

hasan schiers, NØAN
schiers@netins.net

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313. [aprssig] re:Tripmate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 7 Feb 2001 19:29:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133761-2001.02.07-18.47.44--lyris.aprssig#tapr.org@lists.tapr.org>
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With regard to:

> .... go to www.dididahdahdidit.com

First off, I hope that NO ONE thinks I'm blasting this site. It's a FANTASTIC site! And while I modified my TripMate (externally of course) long before I found this site, the information there is EXTREMELY helpful to someone who is looking to do what I did, either internally as the site illustrates, or externally using the information that is readily available at the site.

That said, I just feel it's not prudent to modify ANYTHING when that mod takes it away from 'stock', --IF-- the same thing can be accomplished WITHOUT modifying something.

Yes, I do mod things. In fact, very few things are in a ''factory stock" condition. From my 85 Jeep Wagoneer

(that I put in a Cherokee dash, well, half of it anyway, to
get a tach), or my 93 Intrepid (which has the ES style nose
on it for 'factory fogs') to my HP-45 calculator (which has
had the LC timing components removed, a crystal substituted,
and the [ENTER] key modified to put a SECOND bump on
the back to activate the 'undocumented' 9-split timer/stopwatch
feature. Now accurate with the crystal...) Don't even BEGIN
to ask me about my computers!

Mike

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314. [aprssig] tripmate

From: Wes Johnston <kd4rdb@usa.net>
Date: 7 Feb 2001 23:33:03 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133795-2001.02.07-22.47.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For those of you who don't wish to cut up your tripmate, my mod at
wes.johnston.net/aprs/tripmate.htm is not for you.... However there are two
other mods llisted on my aprs page... wes.johnston.net/aprs --- look under the
"GPS units" heading.

One of the mods is http://www.qsl.net/n3vn/aprs/tripmate.html
the other is http://www.execpc.com/~n9uur/tripmate.html (requires cutting)

73
Wes

Karl was the only Marx brother who never smiled.

_____
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315. [aprssig] Re: Summary and Details of TH-D7A(G) & Garmin GPS

From: Russ Brown <brownrj@home.com>
Date: Wed, 07 Feb 2001 22:08:58 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133821-2001.02.08-00.23.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tonight I started playing with my Garmin 35 and Hyperterminal and a
strange thing happened.

Instead of taking Scott Johnson's advice and sending these commands:

> Specifically, I used the following commands, simply typed in the
terminal
> window, to configure the Garmin to use only the $GPRMC string:
> $PGRMO,GPRMC,1
> $PGRMO,GPGSV,0
> $PGRMO,GPGGA,0
> $PGRMO,GPGSA,0
> $PGRMO,GPVTG,0
> $PGRMO,PGRMB,0
> $PGRMO,PGRME,0
> $PGRMO,PGRMT,0
> $PGRMO,PGRMV,0
> $PGRMO,PGRMF,0
> $PGRMO,LCGLL,0
> $PGRMO,LCVTG,0

Instead I tried to take a shortcut and sent:
$PGRMO,,2   (which disables all output sentences)
$PGRMO,GPGGA,1

The GPS 35 only accepted the first command and did not enable GPGGA. It
now seems dead no matter what settings I try or Hyperterminal protocols
I use. Any ideas on how to unstick it?

Thanks,
Russ Brown, KB6LUD

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316. [aprssig] Tripmate, etc.

From: "Alan Heaberlin" <amh@as.net>
Date: Thu, 8 Feb 2001 01:25:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133838-2001.02.08-03.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I bought a Tripmate and did the modifications. I don't necessarily consider
this a hack in the extreme sense. It was a challenging little exercise and a
creative way to get some extra utility out of a product that became
available for a bargain price. I paid $50 for the yellow box and it did not
go up in smoke. By way of comparison, I pay about $95 for a box of H Upmanns
and they happily go up in smoke!
BTW I also bought an Earthmate for the Delorme bargain price and will throw
another $65 or so at it to get Byon's device to convert the Rockwell
protocol to something that APRS can understand. Now there's a hack for you!
It will go unobtrusively in the back window of my Lincoln for tracker duty
with the Alinco 135.
My '86 4WD Ranger has a Magellan 315 driving the HamHud and also provides me
with rudimentary mapping and waypoints a real handy, accurate speedometer to
supplement the dash unit which has crashed and Ford wants $300 to replace.
I guess the point is that there are many roads to satisfying our particular
needs in this hobby and they are all worthy as long as they take you in the
right direction. Have fun with it!
Alan Heaberlin W6AMH

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317. [aprssig] Re: Tripmate, etc.

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 04:26:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133846-2001.02.08-04.42.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:25 AM 2/8/01, Alan Heaberlin wrote:

>My '86 4WD Ranger has a Magellan 315 driving the HamHud and also provides me
>with rudimentary mapping and waypoints a real handy, accurate speedometer to
>supplement the dash unit which has crashed and Ford wants $300 to replace.

Just an FYI - driving with a broken speedo or odometer is generally a
violation of the Federal Odometer Law and may violate state laws too. In
your case I think you're golden because the vehicle is a truck and over 10
years old. I ran into some grief a few years back when I transferred
title of a vehicle and put a big check in the box stating that the odometer
mileage was incorrect. I had driven the car for a year sans speedo
cable... When questioned about my answer I could honestly state that the
odometer was incorrect because the dashboard had been ripped out twice by
thieves and destroyed once by fire...(never did mention that part about the
cable, though) ;)

73,

Mark
KC7BXS

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318. [aprssig] Update on Wx-Display for APRS

From: "hasan schiers" <schiers@netins.net>
Date: Thu, 8 Feb 2001 08:11:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133882-2001.02.08-08.26.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian, author of Weather-Display software has it working with the Peet U2000
properly now.

It puts out a tiny file that can be read by APRS programs that are setup to
do this.

He seems to have the ability to support just about any wx station you would
like if you contact him.

His program is very fast, very low processor demand. It's showing 5% on my
Pentium 233 overclocked to 266. It supports MAPPED NETWORK DRIVES, so you
can run it on a different machine than the APRS program is running on. It's
also a full featured wx display and logging program.

Of course, this utility is only valuable to those running APRS programs that
support the feature of getting weather from a weather logging program.
Roger's program UI-View does so, and at least one other author is working on
it.

It's quite a nice program. Shareware, 30 bucks, internet download, secure
credit card ordering. Super helpful author!

73

hasan schiers, NØAN
schiers@netins.net

p.s. For those of you who have a U2000 and want to try it out, here are the
setup details:

0. Set Com Port in Setup > Com Port Settings: just choose the port, don't
change other stuff.
1. Put Peet U2K in Data Logging Mode (Press Clear and Wind at the same time
and hold for 3 sec)
2. In Wx-Display Setup > Weather Station Type: Choose Ultimeter 2000 with
daily high/low)
3. Setup > Bottom of Menu, Produce APRS Output File

It currently supports com1-4, but Brian said he would add more com port
support if someone needs it.

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319. [aprssig] Re: Wx Programs and APRS

From: Roger Barker <roger@peaksys.co.uk>
Date: Thu, 8 Feb 2001 14:28:17 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133891-2001.02.08-08.40.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-133711-2001.02.07-16.56.00--roger#peaksys.co.uk@list
s.tapr.org>, hasan schiers <schiers@netins.net> writes
>Ya know APRS is making real inroads when two different Weather Logging and
>Display programs now have MENU options to write APRS compatible files. I
>have looked at both Virtual Weather Station (Ambient Software) and
>Weather-Display. Both have menu items that write a file that looks like
>this:
>
>02/07/01 16:14
>022/000g002t025r000P000p000h100b10121
[snip]

Just to clarify one point - that date/time format is incorrect for
UI-View. I would guess that it came from VWS? I've told the author and
he said he will correct it.

The specified format is e.g Feb 08 2001 01:02 - all fields padded with
'0's and the date in am unambiguous format. (02/07/01 means "July 2nd
2001" in much of the world outside the USA.)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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320. [aprssig] Re: tripmate

From: Jim Gill <jimgill@yahoo.com>
Date: Thu, 8 Feb 2001 06:41:33 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133894-2001.02.08-08.55.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Wes Johnston <kd4rdb@usa.net> wrote:
> For those of you who don't wish to cut up your tripmate, my mod at
> wes.johnston.net/aprs/tripmate.htm is not for you

I did a different kind of no-cut no-damage mod. I use my Tripmate (one of 'em) with the
12v lighter accessory that's available for it, which takes care of the power issue. The
self-start part of this mod is simple... when plugging in the Tripmate's DB9 female into
the DB9 male on the power adapter, take a short (3/8" or so) loop of a fine, single
strand of wire from some small gauge stranded hook-up wire, and loop it between the holes
for pins #2 and #3 on the DB9 female. When the male and female DB9's get hooked
together, they'll hold the small wire in place as a jumper... this causes the Tripmate to
"hear itself" on the Rx line when it's sending ASTRAL. The NMEA strings start coming
after that.

This way I can just disconnect, chuck the little wire, and reconnect if I want to use the
Tripmate with Street Atlas instead of the KPC3+. I've never cracked the case on the
Tripmates I have.

Jim N0RMO

_____
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Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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321. [aprssig] Re: Tripmate, etc.

From: Steve Bragg <steve@hamhud.net>
Date: Thu, 08 Feb 2001 09:29:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133907-2001.02.08-09.41.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:
>
> At 03:25 AM 2/8/01, Alan Heaberlin wrote:
>
> >My '86 4WD Ranger has a Magellan 315 driving the HamHud and also provides me
> >with rudimentary mapping and waypoints a real handy, accurate speedometer to
> >supplement the dash unit which has crashed and Ford wants $300 to replace.
>
> Just an FYI - driving with a broken speedo or odometer is generally a
> violation of the Federal Odometer Law

There are advantages to living out in the Mojave Desert, besides providing a
temperature test for the HamHUD II ;-) I doubt there'll be anybody to pull Alan
over for this <grin>.

73,

Steve
--
--- __ __ ___ ____ __ ____ _____

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   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
========================================================
Steve Bragg KA9MVA    ka9mva@qsl.net   ICQ:29816109
HamHUD APRS Mobile Terminal: www.hamhud.net
Owasso, Oklahoma, USA
Owasso Amateur Radio Club www.qsl.net/oarc
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9
```



```
---
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```


322. [aprssig] Re: A Stable Version of APRS? {maybe a bit rambling}

From: "hasan schiers" <schiers@netins.net>

Date: Thu, 8 Feb 2001 10:32:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133925-2001.02.08-10.46.47--lyris.aprssig#tapr.org@lists.tapr.org>
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Tate,

Those are all observations that I agree with.

The fact remains, every OS has "problems" that have to be dealt with. It is the author's responsibility to do that part right and not blame the OS for their own inability or unwillingness to cope with the problems that the OS presents.

Again, I'm not criticising the authors. I am just unwilling to accept the excuse, "It's a Windows Problem" any longer. It's simply not true. It's a "I can't make Windows do what I want, the way I want, with the tools I want.", problem. That's fine, just don't dissemble and say it's a Windows problem, with the obvious implication that it isn't "my" fault, it's that dirty ol' operating system.

73, and thanks for your observations.

hasan schiers, NØAN
schiers@netins.net

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323. [aprssig] Re: GPS 162

From: "Rich Beckwith" <Rich@dps.state.mo.us>

Date: Thu, 08 Feb 2001 10:40:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133927-2001.02.08-10.53.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>> "Wes Johnston" <wes@johnston.net> 02/07/01 10:52PM >>>
Hmmm.... mind if I ask a few more questions?

Here is a picture of the GPS Map 162 in my Jeep Cherokee: http://home.earthlink.net/~wn0x/aprsjeep.jpg

>1.If I order the internal antenna model, can I remove that antenna and
>replace with my existing mounted antenna w/ bnc?

Yes, 4 screws and the attached antenna comes off. You can purchase "un-antenna" mount for about $10

>2.what does the standard external antenna look like? marine mount or can
>you get a flat mag mount?

Think of a white mushroom and you have it. http://home.earthlink.net/~wn0x/gpsantenna.jpg
You can use any antenna you like. My installation is temporary until we get some warmer weather.

>3. What about extra blank power plugs? available at a decent price?

Looks proprietary, $23.30 on Garmin's site, but its a sturdy connector, good cable and is fused. I haven't checked for an inexpensive purple replacement. Keep in mind this is not a GPS you will be

moving around a lot. It does NOT have internal batteries. here is a picture of the back of the unit.
http://home.earthlink.net/~wn0x/162back.jpg

>4.Can you wire it up in such a way that it will go into a low power mode
>when you kill the ignition (lights out?), or if you were to kill 12v to the
>unit entirely, and then reapply power, would the unit come on auto?

I shut everything off when I leave the vehicle. On power up you get the standard Garmin legal stuff that you must "OK" before you can use the unit. When you lose power you must turn the unit on again. I wouldn't mind a PIC based device that would "Press Enter" after a minute or so. I have not measured the current the unit draws with the backlight off. Have to check that and get back to you.

>5.Since you run the d700 is there a way to reduce the TX rate when not
>moving either by killing the GPS or the radio smart enough to know velocity
>is 0?
The D700 does not change beacon rates based on velocity.

6. have you ever chased a moving waypoint? you know... GOTO a waypoint that
the d700 is constantly updating... does the 162 plot a new course to the new
location auto, or just the first time when you tell it GOTO? I'm going to
assume that it will plot a course to a waypoint with both ends (my position
and the way point position) moving about. It would also be nice if the d700
would upload objects to the GPS like storms and huricaines.

Can't answer this, but there may be other D700 owners that can.

Possible the HAMHUD or some varient will do some of this, but I don't consider the HamHud an "APRS Appliance". You build it, then add the TNC, rf deck and GPS.

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324. [aprssig] Re: Datum Standard for APRS

From: Joe Foor <kf4dys@wfeca.net>
Date: Thu, 08 Feb 2001 11:12:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133932-2001.02.08-11.24.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:33 AM 2/7/01 -0500, Bob wrote:
>On Tue, 6 Feb 2001, Joe Foor wrote:
>
>> A single global datum is a fine idea. But, as I understand it, the USGS
>> 100k files, used to make dos maps, are based on the NAD27 datum.
>> Consequently, those of us who use those files to make local maps are
>> pretty much stuck with configuring our gps receivers to also use the NAD27
>> datum, for the best accuracy.
>
>What I would love to see is a conversion program written and then I could
>run all the DOS maps through it to convert them all to WGS84 once and for
>all...
>
>de WB4APR@amsat.org, Bob
>

Hopefully, it would be in a form/language you could easily incorporate
into Mapfix, making it much more effective than the map offset function
in AprsDos.

regards,
Joe

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325. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: "James R. Saker Jr." <jsaker@pensat.com>
Date: Thu, 8 Feb 2001 11:17:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133933-2001.02.08-11.29.00--lyris.aprssig#tapr.org@lists.tapr.org>

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Ray Vaughan writes:
> I use fixed IP addresses on all the LAN comptuers, 192.x.x.x, not DHCP.

I'd suggest a clarification (and a reference to why we do this) - use 192.168.0.0/16, not 192.0.0.0/8 (which would possibly cause you to use non-private addresses that belong to other public Internet networks, such as BBN's 192.168.1.0/16 class B. (In Ray's notation, this would be 192.168.x.x, not 192.x.x.x which is incorrect and potentially troublesome for private IP use).

RFC 1918 (also known as BCP-5, for "Best Current Practices") explains how and why we do private IP allocation. Read about it here:
http://www.landfield.com/rfcs/rfc1918.html

Incidentally, the above notation (192.168.0.0/16 for instance) is called CIDR notation, and explains the scope of the network one is talking about. A /16 is a class B, whereas a /24 is a class C.

For simple home network use, I'd recommend something like:

192.168.100.0/24

Make your gateway 192.168.100.1 (or 254 if you're a last-address=router fan)
Your netmask would be 255.255.255.0

And start putting hosts and servers up. DHCP runs easily on Linux and freeBSD and makes auto-assignment a breeze, which is nice if you park your laptop you brought home from the office on the LAN and want to automatically find your address, gateway, etc. I actually use 10.0.0.0/8 at home and tunnel it to other locations for ham projects since our state amateur IP coordinator doesn't seem to exist anymore.

> So on my work station, I set up a new server name... the internal IP address of my WinAPRS server. It works! When I want to play APRS, it gets its data from my server, not the national servers. Thus eliminating one user of load from x.aprs.net.

Ray, can you explain this a bit more - e.g. how you're having the WinAPRS running the server act as an APRS server feeding other clients? Sounds interesting...

Jamie Saker/K1JRS

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326. [aprssig] Re: Tripmate, etc.

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 11:14:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133934-2001.02.08-11.29.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:05 AM 2/8/01, Timothy Hardy wrote:

>With regards to Mark's comments about driving with a broken
>speedometer possibly being a violation of law, I can tell
>you as a law enforcement officer that in three states I am
>personally familiar with the state motor vehicle code
>requires any motor vehicle to have a working speedometer.

Please don't take this the wrong way, but it's been my observation that law enforcement agents are often as misinformed as the general public when it comes to laws. I used to work for a company where we routinely challenged Federal, State, and Local authorities on health, safety, transportation, and environmental law. Usually we won. In one instance a client was cited with 36 violations of fire code and it turned out that 35 of the 36 violations were totally made up.

A friend of mine was ordered by two police officers out of a public park in Phoenix for flying a peanut scale electric plane - they threatened to cite him with some ordinance if he didn't leave. I later checked the ordinance - yes, it pertained to RC vehicles, but it was a NOISE and weight ordinance. I then spoke to the City Attorney in charge of public parks

and he was quite amused. He said not only was the electric plane exempt from such an ordinance but the Public Parks Charter REQUIRES that the city provide the public full consideration for the use of RC Vehicles! I then called the office of the Chief of Police, although I was not able to talk to the chief himself, I did manage to speak with the deputy chief at the time. They were very concerned about this and we were told that if we were ever challenged by Park or City Police again on this matter to immediately request a supervisory officer to the scene. The deputy chief also said I was to contact him personally if it happened again.

I could go on...

If you check the Federal Statute's and regulations the wording is pretty explicit. Yes, there's CFR 49 that deals mostly with disclosure. The courts have ruled that disabling or knowingly having a disabled or defective speedo/odometer also constitutes a violation of that law.

The NHTSA/DOT requires a vehicle less than 10 model years old to have a working dashboard (read OEM) speedo/odometer. State laws vary greatly as does enforcement. As I stated since this vehicle is a truck and over ten model years old, it falls outside of federal guidelines, but still still may fall under state statute.

I didn't intend for this thread to continue as it is clearly off topic. Nor do I want to get into a lengthy lawyer type discussion...

73,

Mark

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327. [aprssig] Re: KISS TNC's

From: "James E. Gutshall" <jeg@cc.usu.edu>
Date: Thu, 8 Feb 2001 10:30:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133941-2001.02.08-11.45.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anybody have a link or something to the docs on the KISS protocall ?

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328. [aprssig] Re: GPS 162

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 11:32:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133945-2001.02.08-11.47.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My only problem is that Garmin clearly states that the unit can not be stored or used if the temperature drops below 5 degrees fahrenheit and that damage to the LCD screen may result (not covered under warranty). This kind of makes it a non-starter for those of us in northern climates, unless you want to carry the GPS with you everytime you leave the car.

In South Dakota sometimes the high for the day doesn't get to 5 degrees. Right now the snow is knee-deep minimum and over my head maximum. The area is having a critical shortage of ice-melt and there's a waiting list for roof rakes (to remove snow accumulation).

I think I should mount a tracker on the snowblower. :)

I shoulda stayed in Phoenix...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

329. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: "James R. Saker Jr." <jsaker@pensat.com>
Date: Thu, 8 Feb 2001 11:37:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133946-2001.02.08-11.49.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just found myself correcting my own post too:-)

Where I wrote:

>such as BBN's 192.168.1.0/16 class B

I should have written:

192.1.0.0/16

since 192.168.1.0 is an /24 and within the private IP 192.168.0.0/16
allocation.

Sorry for any confusion!

Jamie Saker/K1JRS

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330. [aprssig] RE: GPSMAP 162

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Thu, 08 Feb 2001 12:00:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133949-2001.02.08-12.13.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You definately see its "marine" origins here. Most boaters don't or can't travel in weather this cold.
   We had temps below zero for a week or so, I didn't bother to remove the unit from the Jeep and had no
 problems.

I am guessing that even the GPSIII+ has similar restrictions, but don't know for sure. If the
StreePilot supported waypoints we probably wouldn't be having this conversation!

I imagine that most laptops can't operate in the extremes that the 162 can (without voiding warrantee).

For now, I am not aware of any better option.

Regards,

Rich Beckwith - Wn0x

>>> Mark Fellhauer <sparkfel@primenet.com> 02/08/01 11:32AM >>>

My only problem is that Garmin clearly states that the unit can not be
stored or used if the temperature drops below 5 degrees fahrenheit and that
damage to the LCD screen may result (not covered under warranty).   This
kind of makes it a non-starter for those of us in northern climates, unless
you want to carry the GPS with you everytime you leave the car.

In South Dakota sometimes the high for the day doesn't get to 5
degrees.   Right now the snow is knee-deep minimum and over my head
maximum.   The area is having a critical shortage of ice-melt and there's a
waiting list for roof rakes (to remove snow accumulation).

I think I should mount a tracker on the snowblower.   :)

I shoulda stayed in Phoenix...

73,

Mark

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331. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: Ray Vaughan <ray@rayvaughan.com>
Date: Thu, 08 Feb 2001 13:05:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133951-2001.02.08-12.20.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:17 AM 2/8/01 -0600, you wrote:

>Ray Vaughan writes:
> > I use fixed IP addresses on all the LAN comptuers, 192.x.x.x, not DHCP.
>
>I'd suggest a clarification (and a reference to why we do this) - use
>192.168.0.0/16, not 192.0.0.0/8 (which would possibly cause you to use
>non-private addresses that belong to other public Internet networks, such as
>BBN's 192.168.1.0/16 class B. (In Ray's notation, this would be 192.168.x.x,
>not 192.x.x.x which is incorrect and potentially troublesome for private IP
>use).

I stand corrected. Their recommendation is 192.168.1.1 for the gateway. So the other computers in my network vary by only the last octet. Their support page about assigning IP addresses within the LAN:

http://www.linksys.com/tech_helper/advanced.html

To make sure the right computer is getting the right port re-directions, the LinkSys DHCP server must be turned off. So my WinAPRS server is set to 192.168.1.104. External calls for Port 81 is directed to that computer so that others can connect to the mini-server in WinAPRS. My other web server is already on port 80.

I'm not at home right now, so I can't check the specifics about how the two WinAPRS installations are set up, but I'm assuming my server is set up to act as a server, and my client is simply looking to that internal IP address instead of x.aprs.net. One of those cases where it worked first try, so I didn't remember the specifics.

If there are a lot of us here running the LinkSys at an APRS installation, let me know (off the list, please) and I might document all of this on a web page. Or is someone already doing this?

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332. [aprssig] Re: KISS TNC's

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 08 Feb 2001 12:16:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133956-2001.02.08-12.30.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Does anybody have a link or something to the docs on the KISS protocall ?

TAPR has some documents, but I find them to be insufficient to solve my
current problem of trying to get my THD7A(G) to transmit a KISS packet that
other TNCs will receive. I can receive in KISS mode, but not transmit... The
discussion in the AX.25 spec does not adequately separate the notion of
application responsibilty in KISS mode from one the TNC does. It would be
nice if there was very precise documentation of what the application must
really send out to a KISS mode TNC for transmitting so that I can determine
exactly which bit it is that I am forgetting that causes all my transmitted
packets to be ignored...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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333. [aprssig] RE: Stable Platform

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Thu, 08 Feb 2001 10:15:50 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133959-2001.02.08-12.35.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have been following this string ad infinitum and not understanding all
the activity. I have been running APRS+SA for a few years now and have
had very few problems directly related to the program. I leave the
computer on 24/7 and also run a Peet U2K WX station with it. I can
literally go weeks between reboots of the computer and I do a hefty
amount of multi-tasking, eg, running the internet connection for hours
on end, working on spread sheets, composing documents, listening to CDs
and more, all while APRS+SA is running.

This is not to criticize those seeking perfection or even a "better"
mousetrap. The automakers have been doing that for years (and somehow,
cars still manage to occasionally need repairs!). But from this vantage
point, stability is not perceived as a problem.

Jeff Reinhardt AA6JR

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334. [aprssig] RE: Summary and Details of TH-D7A(G) & Garmin GPS (Part 1 of 2)

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Thu, 8 Feb 2001 11:35:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133961-2001.02.08-12.48.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Scott D. Johnson" <scott.in.texas@apex2000.net> wrote:

>Specifically, I used the following commands, simply typed in the terminal
>window, to configure the Garmin to use only the $GPRMC string:
>$PGRMO,GPRMC,1
>$PGRMO,GPGSV,0

[long list snipped]

Isn't it fun doing the first few deletions? You can't see your own commands
on the terminal window it scrolls so fast. It's been a while for me, but I
think there might be a "delete all sentence reporting" command so things are
a lot less hectic.

>Note that other Garmin models may have additional strings that need to be
>disabled and that some of these are also Garmin-specific and may not appear
>on other brands of GPS units.

$Pxxxx commands are Proprietary commands, different for each manufacturer and
possibly unit-specific in some cases, even within one company's offerings.

>Note that there is no display for my GPS
>so I have no idea yet if it understands a wplist.
...
>Since my GPS has no display, I'm not sure that the Garmin 35 gives a hoot
>about the WPL.

You hit the nail right on the head.

>As an OEM, I might just give Garmin a little technical
>support call on the WPL stuff...
...
>I assume, like Jim, that the '35 does ignore the WPL commands.

Exactly - higher level functions like navigation are left to the device that
receives the position information from the OEM GPS sensor. "Sensor" is the
key word here. The 35 is not an all-in-one device like the III+.

>Currently

>the Kenwood is set for NMEA (4800 baud) but I'm going to try setting the GPS
>for 9600 and test the NMEA96 setting in the Kenwood. I don't expect to see
>any difference, but who knows for sure...

With only one or two sentences reported, even at 4800 baud communication
rates, most of the time things are quiet even at the fastest cycle time of 1
second on the '35. The only difference is that the D7 will receive the
sentences a few 10's of milliseconds earlier.

73,
Tony KD7TA

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335. [aprssig] Garmin DGPS 53

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 12:47:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133964-2001.02.08-13.02.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Although the Garmin 162 looks cool, has anybody on the SIG used or set up a
DGPS53 and would care to make comments on it?

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

336. [aprssig] Re: KISS TNC's

From: Roger Barker <roger@peaksys.co.uk>
Date: Thu, 8 Feb 2001 18:50:18 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133965-2001.02.08-13.02.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-133941-2001.02.08-11.45.05--roger#peaksys.co.uk@list
s.tapr.org>, James E. Gutshall <jeg@cc.usu.edu> writes
>Does anybody have a link or something to the docs on the KISS protocall ?

ftp://ftp.tapr.org/general/kiss.txt

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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337. [aprssig] Re: A Stable Version of APRS? [Was: WinAPRS, Win9x, Win2K and the dreaded UE]

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Thu, 8 Feb 2001 14:15:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133966-2001.02.08-13.32.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The problem has been that the same code runs on MAC, X-WINDOWS and
WINDOWS. On Mac and X-Windows, it never has any problems, on MY
Windows machine in the past it has not had problems, but on other
people's machines it has. It is very hard to debug a problem that
you cannot reproduce.

I suppose, the good news is that now, I am getting UHE on Windows and
am getting closer to finding the problems. Still, I run it on Mac
and Windows, side by side, both connected to the same server, and the
Windows box gets an UHE, but the Mac still runs fine.

Bottom line, I am getting the same UHE errors now that the rest of
you are getting. I will get if fixed as soon as I can figure out what
is causing it.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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338. [aprssig] rotate.aprs.net

From: Jon Anhold <jon@snoopy.net>
Date: Thu, 8 Feb 2001 14:28:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133969-2001.02.08-13.42.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just an FYI:

Steve has added a new name, rotate.aprs.net. This will round-robin between
first, second and third.aprs.net which should help distribute the load.

Give it a try. Let us know if you have any problems.

All three have the buffered feed on port 10151, and unbuffered on 23.

-j

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339. [aprssig] Re: rotate.aprs.net

From: Jon Anhold <jon@snoopy.net>
Date: Thu, 8 Feb 2001 14:30:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133970-2001.02.08-13.45.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I also should note that this is intended for clients to use, not for other
aprsd or IGATE links. IGATE's and such should continue to connect with the
hub command, in the case of aprsd, or however you're doing it now.

-j

Previously, Jon Anhold (jon@snoopy.net) wrote:
> Just an FYI:
>
> Steve has added a new name, rotate.aprs.net. This will round-robin between
> first, second and third.aprs.net which should help distribute the load.
>
> Give it a try. Let us know if you have any problems.
>
> All three have the buffered feed on port 10151, and unbuffered on 23.

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340. [aprssig] Re: rotate.aprs.net

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 8 Feb 2001 13:46:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133972-2001.02.08-14.01.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://dididahdahdidit.com/text/aprsxtra.txt , the replacement for the
"extra" server file that ships with Win/MacAPRS, has been updated to include
the rotate.aprs.net alias for both buffered and unbuffered access....

Download it, copy it to your Win/MacAPRS directory, and restart the program
to use it.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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341. [aprssig] Re: rotate.aprs.net

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Thu, 8 Feb 2001 11:50:05 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133973-2001.02.08-14.04.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> All three have the buffered feed on port 10151, and unbuffered on 23.
>
> -j

Unbuffered on 23 only? Nothing on 10152?

_____
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a year! http://personal.mail.yahoo.com/

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342. [aprssig] Re: KISS TNC's

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Thu, 8 Feb 2001 11:56:01 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133974-2001.02.08-14.10.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gregg, and all,

What you probably really need then is to look at the AX.25 protocol
specification. Other than the data/command byte and the escape sequences,
all the rest of the encoding issues have to do with the AX.25 protocol.

A quick and dirty shortcut would be to actually capture KISS packets (8-bit
data) from the TNC and compare those with what you're trying to transmit.
When you identify and repair the structural differences, your transmitted
packets should be transmitted. For example, with a TNC in KISS mode, simply
tying the serial port RX data to the TX data will cause the TNC to
regenerate all packets heard. Digipeating in a very pure form. The problem
with using this on the air, is that it doesn't "mark" packet as digipeated -
a pair of these on a channel would theoretically digipeat the packet for
ever. I HAVE done this, to simulate a full-duplex packet repeater, when we

took gear crystaled for that repeater outside the repeater's coverage area,
so I've proved it works.

So you basically need to do is send and receive complete AX.25-encoded
packets, with appropriate escape characters (as defined by KISS) as needed.
KISS is just an asynchronous protocol wrapper for whatever protocol you want
to transmit on the air. I don't know exactly you found in the TAPR
archives, however the ARRL Digital Conference Notes paper that initially
defined KISS is available at one of the authors web site:
  HTML: http://people.qualcomm.com/karn/papers/kiss.html
  text: ftp://ftp.tapr.org/general/kiss.txt, as pointed to by Roger Barker
Note: References to "Howie" and "Howie code" are references to the author
and the code of the TNC-2 TNC., Howard Goldstein, N2WX, and don't have any
particular relationship to KISS as a protocol or implementation.

The AX.25 protocol definition is available on the TAPR site:
  HTML: http://www.tapr.org/tapr/html/Fax25.html
  PDF: http://www.tapr.org/tapr/pdf/AX25.2.2.pdf

Hope that helps!

73, Bob

-----Original Message-----
From: bounce-aprssig-17768@lists.tapr.org
[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Gregg G.
Wonderly
Sent: Thursday, February 08, 2001 10:17 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: KISS TNC's

>Does anybody have a link or something to the docs on the KISS protocall ?

TAPR has some documents, but I find them to be insufficient to solve my
current problem of trying to get my THD7A(G) to transmit a KISS packet that
other TNCs will receive. I can receive in KISS mode, but not transmit...
The
discussion in the AX.25 spec does not adequately separate the notion of
application responsibilty in KISS mode from one the TNC does. It would be
nice if there was very precise documentation of what the application must
really send out to a KISS mode TNC for transmitting so that I can determine
exactly which bit it is that I am forgetting that causes all my transmitted
packets to be ignored...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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343. [aprssig] Re: rotate.aprs.net

From: Jon Anhold <jon@snoopy.net>
Date: Thu, 8 Feb 2001 14:58:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133975-2001.02.08-14.13.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

third.aprs.net is running unbuffered on both 23 and 10152. To my knowledge,
first and second only have it on 23.

-j

Previously, Bill Vodall (wa7nwp@yahoo.com) wrote:

>
> >
> > All three have the buffered feed on port 10151, and unbuffered on 23.
> >
> > -j
>
> Unbuffered on 23 only? Nothing on 10152?
>
>
>
>
> _____
> Do You Yahoo!?
> Get personalized email addresses from Yahoo! Mail - only $35
> a year! http://personal.mail.yahoo.com/
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--
Laughing stock - cattle with a sense of humor.

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344. [aprssig] GPS & cold tempatures...

From: Joel Maslak <jmaslak@motiongrid.com>
Date: Thu, 8 Feb 2001 13:04:29 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133976-2001.02.08-14.14.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 8 Feb 2001, Rich Beckwith wrote:

> You definately see its "marine" origins here. Most boaters don't or
> can't travel in weather this cold.   We had temps below zero for a week
> or so, I didn't bother to remove the unit from the Jeep and had no
> problems.

Brunton (yes, the compass people) seem to have GPS/compass/altimiter that
works in very cold tempatures (compared to many GPSes, anyhow):

Hopefully it won't wrap:
http://www.brunton.com/recreational_products/multinavsys/navsystem_framset.htm

I'm not convinced on some of their claims, like "accurate to 3 feet" for
the altimeter.. However, one of their claims is that the LCD "optimal
range" is from -13F to 158F. That seems like a fairly decent range,
although in the northern states, it probably still isn't quite enough.

What I don't know is if this thing outputs standard NMEA strings.

--
Joel Maslak
N7XUC

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345. [aprssig] APRS National Parks (rev 2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 8 Feb 2001 15:17:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-133983-2001.02.08-14.52.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We need a group effort to help ourselves when we travel. Here is the
condition of APRS in the areas of greatest tourist activity...

TOURIST AREA   VISITRS/YR HAMS/DAY APRS REPORTED BY

```
--------------------  ---------- -------- ----  --------------
 1) Grand Canyon       5,000,000   30      no    WB4APR June 99
 2) Yellostone         3,100,000   20      no    N2IPH & KC5JIF
 3) Mt Rushmore           ?        ?       no    N2IPH & KC5JIF
 4) Devils Tower          ?        ?       no    N2IPH & KC5JIF
 5) Rocky Mountain N.P.   ?        ?       no    camps nor hdqtrs
 6) Yosemite              ?        ?       ?
 7) Sequoia Natl Park     ?        ?       ?
 8) Mesa Verde            ?        ?       From top only to NM
 9) Badlands              ?        ?       ?
10) Zion Natl Park        ?        ?       ?
11) Grand Tetons          ?        ?       No    WA8LMF
12) Everglades            ?        ?       YES   N4TCW
13) Banff, Yoho, Kootenay ?        ?       YES   VE6SZR

The criteria here are those areas that are remote from the existing
terrestrial APRS infrastructure and which probably do not have enough
permanent locals to support a digi... "Coverage" means that you can
communicate from the parking lot of the biggest Campground or
Headquarters (Being on TOP of the mountain doesn't count).

If you can supply any info above, please send to me and I will update this
list... Including of course, adding other areas.

If you can HELP place a digi there, PLEASE DO!

de WB4APR, Bob



---
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```

346. [aprssig] Re: GPS & cold tempatures...

```
From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 15:49:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-133990-2001.02.08-16.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

At 02:04 PM 2/8/01, Joel Maslak wrote:

>I'm not convinced on some of their claims, like "accurate to 3 feet" for
>the altimeter...

Why would you doubt that claim? I have a $69 Casio watch that has about
10 foot accuracy and startling repeatability that rivals a $300 to $400
Thommen Altimeter/Barometer.

73,

Mark
KC7BXS

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347. [aprssig] RE: GPSMAP 162

```
From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Thu, 8 Feb 2001 17:47:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134002-2001.02.08-17.01.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

I have had my GPS II+ on the dash of my Blazer for months. The temps
here in NW VT have been below zero numerous times and consistently run
in single digits or less for several days in a row ... the II+ stays
powered up 24/7 most of the time and it keeps on running without a hitch
... may not be warranteed, but it works!! The occasional time I have
powered it down and its been real cold it occasionally is cranky
strating up, ie I have to hold the button for as much as 10-15 seconds,

but that is the sum of the problem.

72 de brian, n1bq

--
N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <http://www.wulfden.org/NVQS/>
AMSAT LM-1418   NJQRP #274
QRP-L #2276   Zombie #768

> -----Original Message-----
> From: Rich Beckwith
> Sent: Thursday, February 08, 2001 13:00 PM

   [snip]

> You definately see its "marine" origins here. Most boaters
> don't or can't travel in weather this cold.   We had temps
> below zero for a week or so, I didn't bother to remove the
> unit from the Jeep and had no problems.

> I am guessing that even the GPSIII+ has similar restrictions,
> but don't know for sure. If the StreePilot supported
> waypoints we probably wouldn't be having this conversation!

> I imagine that most laptops can't operate in the extremes
> that the 162 can (without voiding warrantee).

> >>> Mark Fellhauer <sparkfel@primenet.com> 02/08/01 11:32AM >>>
>
> My only problem is that Garmin clearly states that the unit
> can not be stored or used if the temperature drops below 5 degrees
> fahrenheit and that damage to the LCD screen may result (not
> covered under warranty).This kind of makes it a non-starter
> for those of us in northern climates, unless you want to carry
> the GPS with you everytime you leave the car.

> In South Dakota sometimes the high for the day doesn't get to 5
> degrees.

   [snip]

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

348. [aprssig] New WinAPRS Error message

From: Jim Duncan <ku0g@kcaprs.org>
Date: Thu, 08 Feb 2001 18:56:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134012-2001.02.08-19.15.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a UHE as I get home AND a "WinAPRS Alert" which says "Main
Application appears to have Died Terminating Thread"....

Anyone else (ever?) seen this? Running 2.4.8 here...
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

349. [aprssig] Re: New WinAPRS Error message

From: rbost@itexas.net (Roy Bost)
Date: Thu, 8 Feb 2001 19:09:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134014-2001.02.08-19.23.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got the "Alert" message about 45 minutes ago!!

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

350. [aprssig] Re: New WinAPRS Error message

From: rbost@itexas.net (Roy Bost)
Date: Thu, 8 Feb 2001 19:15:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134015-2001.02.08-19.30.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

make that 5 minutes ago.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

351. [aprssig] Re: New WinAPRS Error message

From: John Vause <jdv@iglou.com>
Date: Thu, 08 Feb 2001 20:16:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134016-2001.02.08-19.31.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep. Saw that one last night while starting ver. 2.4.8.

I've only seen it once though.

Jim Duncan wrote:
>
> I have a UHE as I get home AND a "WinAPRS Alert" which says "Main
> Application appears to have Died Terminating Thread"....
>
> Anyone else (ever?) seen this? Running 2.4.8 here...
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group, W0APR
> First Alert Storm Team KMBC-TV9
> Mailto:ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
>

--
* John Vause KF4ERV jdv@igloudot.com   *
* NOTE: email address altered for benefit of Spambots *
* "Necessity is the plea of every infringement of   *
* human freedom. It is the argument of tyrants;   *
* it is the creed of slaves." -- William Pitt   *
--

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352. [aprssig] Dupe messages....

From: Jim Duncan <ku0g@kcaprs.org>
Date: Thu, 08 Feb 2001 19:15:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134017-2001.02.08-19.35.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's not necessary to CC the mail to both me and the sig list.... I'm
reading them all on the list... Save bandwidth, please...

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

353. [aprssig] Re: New WinAPRS Error message

From: Bill Diaz <billdiaz@megsinet.net>
Date: Thu, 8 Feb 2001 19:24:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134018-2001.02.08-19.38.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Roy,
  Sometime today I got 2 packets from the Internet feed that would cause
WinAprs 2.4.7 and earlier to fail.
APRK>JIP*,DB0,HB9BA-4*::javaMSG :Kruft_DLinuRSv: 44.130.9 connected 10ss
onle}aprsdMYK>APD214,TCPIP*,DB0HP*:=5023.26N/00720.48EIPHG3260/APRSD-2.1.4.d
l5di.1 APRS Server Kruft/DL (JO30QJ)

B8VEE-5*::AI3L   :hi just
seeiK08C>BEACON,W8LRC,KB8VEEKC8LCP-14>APR814,KC8LCP-11,AA8JR*:@082147z4259.5
2N/08604W8MSU-10>APD214,TCPIP*::VE2CJT   :W8MSU-10 E_Lansing_MI
msuarc.egr.msu.edu 35.9.43.98 kb8zgl@mflc.com aprsd 2.1.4

It looks like an IGATE is munging packets again.

Bill KC9XG

On Thursday, February 08, 2001 7:10 PM, Roy Bost [SMTP:rbost@itexas.net] wrote:
> I just got the "Alert" message about 45 minutes ago!!
>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

354. [aprssig] Re: New WinAPRS Error message

From: William Owens <wowens@iximd.com>
Date: Thu, 08 Feb 2001 21:15:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134024-2001.02.08-20.29.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, anybody else seeing "numbers" on D700 mobile stations?

Will
N3ZLL

Roy Bost wrote:

> make that 5 minutes ago.
>
> ---
> You are currently subscribed to aprssig as: n3zll@amsat.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

355. [aprssig] Re: APRS National Parks (rev 2)

From: John Mc Hugh <johnk.mchugh@worldnet.att.net>
Date: Thu, 08 Feb 2001 21:10:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134025-2001.02.08-20.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> We need a group effort to help ourselves when we travel. Here is the
> condition of APRS in the areas of greatest tourist activity...

Maybe we need to get the Parks Dept. to realize the benefits of APRS in
SAR and install digis in the NP, they have VHF comm sites. In
Yellowstone/Jackson Hole there is a big animal tracking project where
they use DF to find them, how about adding GPS to the animals and using
APRS to track them.

John
--
John Mc Hugh, KU4GY
Coordinator for Amateur Radio
National Hurricane Center, W4EHW
Miami, Florida
Home Page: http://www.fiu.edu/orgs/w4ehw/

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356. [aprssig] WinAPRS on a LAN

From: "Ray J. Vaughan" <ray@rayvaughan.com>
Date: Thu, 08 Feb 2001 21:35:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134026-2001.02.08-20.51.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've written up what I do at home with two machines running APRS on a LAN. A few more questions than answers, but maybe someone here can fill in the blanks.

http://www.rayvaughan.com/winaprs_on_lan.htm

The idea is that the user's computer connects to a WinAPRS server running on the same LAN, which is a client on the APRServe network. If enough people use WinAPRS like that, we can get it perfected in later releases.

Comments welcome.

        Ray J. Vaughan, MS, CBTE, CERT
        KD4BBM PG-7-15266
        http://www.rayvaughan.com/
        ray@rayvaughan.com
        ray@2-way.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

357. [aprssig] Re: New WinAPRS Error message

From: rbost@itexas.net (Roy Bost)
Date: Thu, 8 Feb 2001 20:48:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134030-2001.02.08-21.02.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The numbers are the elevation above sealevel if the station is sending GAG
sentence.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

358. [aprssig] Re: New WinAPRS Error message

From: rbost@itexas.net (Roy Bost)
Date: Thu, 8 Feb 2001 20:55:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134032-2001.02.08-21.09.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Fat fingers!!!! That should be GGA sentence.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

359. [aprssig] Re: New WinAPRS Error message

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 21:24:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134034-2001.02.08-21.38.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Speaking of elevation numbers, W6MAF-1 is reporting the altitude of his
truck (according to WinAPRS 2.4.8) at 107,417 feet with a maximum of
107,444 feet. Pretty good for a truck.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

360. [aprssig] Re: New WinAPRS Error message

From: "R. J. Ayres" <rayres@iridiumtechnologies.com>
Date: Thu, 8 Feb 2001 20:33:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134036-2001.02.08-21.47.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wow, I've seen some lifted trucks, but this is going too far.

73

R. J.
KD7LSC

-----Original Message-----
From: bounce-aprssig-22240@lists.tapr.org
[mailto:bounce-aprssig-22240@lists.tapr.org]On Behalf Of Mark Fellhauer
Sent: Thursday, February 08, 2001 8:24 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: New WinAPRS Error message

Speaking of elevation numbers, W6MAF-1 is reporting the altitude of his
truck (according to WinAPRS 2.4.8) at 107,417 feet with a maximum of
107,444 feet. Pretty good for a truck.

73,

Mark
KC7BXS

You are currently subscribed to aprssig as: rj@iridiumtechnologies.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

361. [aprssig] Re: New WinAPRS Error message

From: "The Tate's" <tates@tenforward.com>
Date: Thu, 8 Feb 2001 19:34:55 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134037-2001.02.08-21.51.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Must be a Ford....

David

> -----Original Message-----
> From: bounce-aprssig-12885@lists.tapr.org
> [mailto:bounce-aprssig-12885@lists.tapr.org]On Behalf Of R. J. Ayres
> Sent: Thursday, February 08, 2001 7:33 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: New WinAPRS Error message

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

362. [aprssig] Re: New WinAPRS Error message

From: "The Germino's" <mgermino@inreach.com>
Date: Thu, 8 Feb 2001 20:27:45 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134044-2001.02.08-22.46.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No, but 246 was also stable for me. Knock on wood.

I know this is a touchy subject, I'm just saying this to perhaps help with
the problem if its a clue that not everyone is having problems. Just an old
Pentium and all I use it for is WinAPRS and PSK31. I can run it for weeks
and no problem, now the "good" computer in the house that is used for
internet and all the games that the boys put on have to be restarted quite
often and it doesn't have WinAPRS on it. HIHI I am about two or three hops
to a gate.

Mike
AD6AA

> I have a UHE as I get home AND a "WinAPRS Alert" which says "Main
> Application appears to have Died Terminating Thread"....
>
> Anyone else (ever?) seen this? Running 2.4.8 here...
> --
> 73 de Jim, KU0G

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

363. [aprssig] Popo erupts

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 22:40:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134045-2001.02.08-22.55.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I also see on the APRS Map that Popo (Popocatepl) outside of Mexico City is
acting up again.   Looks like a belch that registered 2.0 on the richter scale.

Timely information that I've only seen on APRS. Good Job.

CENAPRED has a fulltime web cam on the mountain:

http://www.cenapred.unam.mx/popo/UltimaImagenVolcan2.html

CENAPRED home page:

http://www.cenapred.unam.mx/

73,

Mark
KC7BXS

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

364. [aprssig] Re: New WinAPRS Error message

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 08 Feb 2001 22:59:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134046-2001.02.08-23.13.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:27 PM 2/8/01, The Germino's wrote:
>No, but 246 was also stable for me. Knock on wood.
>
>I know this is a touchy subject, I'm just saying this to perhaps help with
>the problem if its a clue that not everyone is having problems. Just an old
>Pentium and all I use it for is WinAPRS and PSK31. I can run it for weeks
>and no problem,

The problem is reproducable on any computer. The problem generally arises from internet feeds. I can run WinAPRS for days generally if the I-Gate is turned off. However, as I have pointed out I can always generate UE's by doing certain tasks like opening and closing maps in a specific sequence or searching for invalid callsigns using the FCC 2000 database. My favorite UE is this one - Using the FCC 2000 database go to Edit/Find and type in KC0BZZ (Matt Hagin - a friend of mine) then click on get info and see if you get a UE. I can generate this UE on three computers (one with Win2000, one with WinME, and one With Win98SE) and it's happened through several FCC callsign database updates.

Earlier this evening I ran into a period of multiple UE's while connected to port 23 unbuffered.

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

365. [aprssig] Re: New WinAPRS Error message

From: Jim Duncan <ku0g@kcaprs.org>
Date: Thu, 08 Feb 2001 22:59:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134048-2001.02.08-23.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kinda brings back to memory that old truck-drivin' song "Six Days on the Road"

"I'm takin' little white pills and my eyes are open wide....."

Mark Fellhauer wrote:
>
> Speaking of elevation numbers, W6MAF-1 is reporting the altitude of his
> truck (according to WinAPRS 2.4.8) at 107,417 feet with a maximum of
> 107,444 feet. Pretty good for a truck.
>
> 73,
>
> Mark
> KC7BXS

>
> ---
> You are currently subscribed to aprssig as: KU0G@KCAPRS.ORG
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

366. [aprssig] Re: New WinAPRS Error message

From: "Alton" <n5psp@n5psp.org>
Date: Fri, 9 Feb 2001 00:01:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134063-2001.02.09-00.18.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 8 Feb 01, at 21:24, Mark Fellhauer wrote:
>
> Speaking of elevation numbers, W6MAF-1 is reporting the altitude of his
> truck (according to WinAPRS 2.4.8) at 107,417 feet with a maximum of
> 107,444 feet. Pretty good for a truck.
> 73,
>
> Mark
> KC7BXS

Must have it really turbocharged, or it's hanging from a humongous
Skyhook balloon? - LOL

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

367. [aprssig] NSTAR 01A postponed

From: "Mark Conner" <mconner1@home.com>
Date: Fri, 9 Feb 2001 00:13:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>, "BellevueARC List" <bellevuearc@yahoogroups.com>,
        "MidwestAPRS list" <midwestaprs@yahoogroups.com>
Message-ID: <LYR842-134065-2001.02.09-00.27.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's now 15F in Omaha and over 4" of snow is on the ground already and is
coming down quite heavily at the moment. Another 4" or more expected by
morning, and perhaps close to a foot total in the expected landing area in
western Iowa. Saturday morning temps are expected to be around -5F.

Based on this, NSTAR Flight 01A is postponed until at least Sunday morning
(11th). I'm not optimistic about the Sunday forecast, as it should be
rather breezy that morning. The go/no-go decision for Sunday will be made
not later than 1800UTC Saturday.

Long-range forecasts indicate we may have a break on the 17th.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

368. [aprssig] Re: New WinAPRS Error message

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Fri, 09 Feb 2001 00:10:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134072-2001.02.09-01.27.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:59 PM 2/8/01 -0600, Mark Fellhauer blasted the following out into the
ether:
<snip>
>My favorite UE is this one - Using the FCC 2000 database go to Edit/Find
>and type in KC0BZZ (Matt Hagin - a friend of mine) then click on get info
>and see if you get a UE. I can generate this UE on three computers (one
>with Win2000, one with WinME, and one With Win98SE) and it's happened
>through several FCC callsign database updates.

      Happens here, too. Here's the info from my copy of EN.DAT, dated 1/7/01:

EN|417347|||KC0BZZ|L||HAGIN, MATTHEW F|MATTHEW|F|HAGIN|||||312 S GREENE
ST|ROCK RAPIDS|IA|512461423||||

      Somewhere in that line is the "trigger" for an UHE. If only I had
the knowledge to find it! But perhaps somebody on the list can spot it.

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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369. [aprssig] Garmin II+ to Palm IIIc

From: wa8inz@earthlink.net
Date: Fri, 09 Feb 2001 01:37:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134073-2001.02.09-01.51.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have the hookup to connect a Garmin II+ to a Palm IIIc using
a HTX-202 HT or any ht.

--
Bill Nolle wa8inz
wa8inz@earthlink.net
wa8inz@amsat.org
Hazel Green,AL

New Porta-Digi site:
http://home.earthlink.net/~WA8INZ
Find me:
http://www.findu.com/cgi-bin/find.cgi?wa8inz

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370. [aprssig] Re: New WinAPRS Error message

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Fri, 09 Feb 2001 06:32:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134105-2001.02.09-05.47.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have a UHE as I get home AND a "WinAPRS Alert" which says "Main
> Application appears to have Died Terminating Thread"....

Jim, with your sense of humor, one would have thought that this would
have been followed by something like, "I'm a little suprised that the
Thread's are capable of defending themselves so well." :o)

Ev, W2EV

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371. [aprssig] Re: WinAPRS on a LAN

From: Jim Gill <jimgill@yahoo.com>
Date: Fri, 9 Feb 2001 04:38:40 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134106-2001.02.09-06.52.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- "Ray J. Vaughan" <ray@rayvaughan.com> wrote:
> I've written up what I do at home with two machines running APRS on a LAN.
> Comments welcome.

I've been doing the same thing for over a year on my LAN here at home. I have had as
many as five clients on at any given time sharing the TNC and TCPIP on the LAN.

Even better yet, you can do the same thing with AFilter and AFilterX Server. Instead of
using WinAPRS to do the "serving", AFilter X Server allows connects from WinAPRS (or
APRSplus) clients on the LAN. AFilter X connects via TCPIP to AFilter, which then
connects to the APRServe network. AFX, AF, and the clients can all be either on the same
or different machines. You can set a limit of how many clients can connect to the
network using AFilter X.

There are quite a few benefits of using AFX as the server. It handles the load of
multiple clients better than WinAPRS server. You can set a max distance range, so
connected clients get a limited feed, according to your area of interest (this is better
than swamping WinAPRS server with 1000's of stations with NO range filtering). In
conjunction with AF, it does extensive error checking on data being rx'd/tx'd to/from the
internet. AF can do extensive logging for recordkeeping. AFX server runs independently
of WinAPRS... so if any of your WinAPRS copies "crashes", your other clients are still
running on the internet. There's a great TCPIP Chat program built into AFilter, too.
Too many more benefits to mention here.

A negative about using WinAPRS as the server: even though the dialog box in server
settings indicates you can set a specific port number for the server to listen to (14439
example), it still does NOT listen on that port... it defaults to port 23 (standard
telnet port). This has been happening since the first version offering this capability.
Hopefully now with the renewed updates, this will be up on the list of fixes. Using AFX
as the server negates this problem.

For the record, I do all this with Win98 SE/Internet Connection Sharing on an ISDN line,
Win95/Win98/Win3.11WFW/iMac clients, all on a 10/100 network with a Linksys Switch.
ZoneAlarm Pro provides security and port filtering.

AF and AFX are available at http://www.c2i2.com/~yumaprs/

Jim N0RMO
Omaha, NE

_____
Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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372. [aprssig] Re: New WinAPRS Error message

From: bftet@netscape.net (Bill Tetens)
Date: Fri, 09 Feb 2001 08:24:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-134115-2001.02.09-07.39.59--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Every one has been wrong so far. Boy you should see the size of the tires on that baby.

Bill

"Alton" <n5psp@n5psp.org> wrote:
>
> On 8 Feb 01, at 21:24, Mark Fellhauer wrote:
> >
> > Speaking of elevation numbers, W6MAF-1 is reporting the altitude of his
> > truck (according to WinAPRS 2.4.8) at 107,417 feet with a maximum of
> > 107,444 feet.   Pretty good for a truck.
> > 73,
> >
> > Mark
> > KC7BXS
>
> Must have it really turbocharged, or it's hanging from a humongous
> Skyhook balloon? - LOL
>
>
> ---
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>
>

_____
Get your own FREE, personal Netscape Webmail account today at http://webmail.netscape.com/

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373. [aprssig] Re: New WinAPRS Error message

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Fri, 9 Feb 2001 08:27:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134117-2001.02.09-07.46.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 9:15 PM -0500 2/8/01, William Owens wrote:
>Ok, anybody else seeing "numbers" on D700 mobile stations?
>
>Will

The numbers under the call sign is the altitude in feet or meeters as
reported by the GPS data. This is a new feature for 2.4.8 and will
eventually be made a preference.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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374. [aprssig] Garmin II+ to Palm IIIc

From: Karl Ulrich <k4lnx@arrl.net>
Date: Fri, 09 Feb 2001 08:31:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134118-2001.02.09-07.49.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill,

If you're looking to build an APRS station, you'll need a TNC in there
somewhere.

I recently went through building a very similar setup. I just had a
different GPS receiver and a Palm III. I used a Kantronics KPC 3+ TNC,
which I can highly recommend.

To hook up the Palm IIIc to the TNC, you'll need a Palm III 'modem cable'.
Looks like the 1st item on this website:

http://www.markspace.com/datacord.html

the DB-25 version, is what you'll need for that.

You can get connectors for your Garmin II+ from here:

http://www.blue-hills-innovations.com/products.htm

and instructions on how to hook up your GPS receiver to your TNC are
included with the above TNC.

Then, to see how to hook up your Radio to the TNC (on the same port as the
GPS receiver), look here:

http://www.packetradio.com/trad/irsy_kpc.gif

Good luck and 73,

Karl Ulrich
k4lnx@arrl.net

wa8inz@earthlink.net wrote:

> Does anyone have the hookup to connect a Garmin II+ to a Palm IIIc using
> a HTX-202 HT or any ht.
>
> --
> Bill Nolle wa8inz
> wa8inz@earthlink.net
> wa8inz@amsat.org
> Hazel Green,AL
>
> New Porta-Digi site:
> http://home.earthlink.net/~WA8INZ
> Find me:
> http://www.findu.com/cgi-bin/find.cgi?wa8inz
>
> ---
> You are currently subscribed to aprssig as: k4lnx@arrl.net
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---
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375. [aprssig] APRStk Rotator Control ver K21

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 08:53:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-134120-2001.02.09-08.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just posted a new ASTK-EXE.ZIP which contains APRStk.exe and supporting
files which are now capable of driving the Radio SHack Archerotor from 2
pins on the parallel port. THis version now includes the auto-re-sync to
south when ever it finds itself near by and with nothing else to do...

This is not an attempt at an OSCAR class station, but a simple way to use
a cheap rotator and small UHF beam tilted up at 10 degrees to copy all the
FM LEO birds in view (11 sats, 6 times a day each, 66 passes a day).

It is a DOS program and assumes it is running in a full APRSdos
installation. (APRS848.zip) Be SURE to read README\APRStk.TXT

Even without the interface and rotator, the program will plot your beam
pattern on the map so you can watch it work. Any interface will do as
long as pin 2 causes your rotator to go right and pin 3 causes it to go

left...

Download from ftp://tapr.org/aprssig/dosstuff/APRSdos/astk-exe.zip
UNZIP with PUNZIP -D or WinZIP into your existing APRS(dos) directory.
Those of you that ordered the $20 kit of interface parts, I will mail them
out tonight..

de WB4APR, Bob

> Bob Wrote:
>
> It uses two LPT output pins to tell the controller to go CW or CCW.
> I bagged up a $20 interface that goes between these pins and the 30VAC
> in the Radio Shack controller, or you can build your own. Your rotator
> must have a mechanical stop at SOUTH and must rotate at constant RPM.
>
> WB4APR, Bob Bruninga
> 115 Old Farm Ct
> Glen Burnie, MD 21060

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376. [aprssig] Re: APRS National Parks (rev 2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 09:52:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-134130-2001.02.09-09.07.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 9 Feb 2001, Sam Smith wrote:

> Bob, you left off the Great Smoky Mountains National Park, which has
> over 10,000,000 vistors a year, more than any other national park.

ARGH, I was supposed to add it. And I visited there last year. I just
cant remember if it had "good" coverage. I remember that Tennessee has
EXCELLENT coverage just about everywhere, and I think there was a "home
station" digi in Pigeon Forge, but I am not sure if it covered into the
park. Do you know?

Bob

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377. [aprssig] Re: KISS TNC's

From: John Hansen <john@hansen.net>
Date: Fri, 09 Feb 2001 11:17:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134146-2001.02.09-10.27.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>The
>discussion in the AX.25 spec does not adequately separate the notion of
>application responsibilty in KISS mode from one the TNC does.

This is correct, it's not as clear as it should be. Basically, in KISS you
are responsible for constructing the AX.25 frame and feeding it to the KISS
TNC, except for three things:

1. You have to worry about doing the escape sequences (this is will
documented in that KISS.TXT document on the TAPR website).

2. The KISS TNC takes care of bit-stuffing, so you don't have to worry
about doing that before you send the data to the KISS TNC.

3. The KISS TNC also takes care CRC calculation, so you don't have to worry
about that either.

If you are simply looking to do UI frames, a shortcut to reading through
the AX.25 specification, might be to look at my paper:

PIC-et Radio: How to Send AX.25 UI Frames Using Inexpensive PIC Microprocessors

available at:

ftp://ftp.tapr.org/pub/wa0ptv/dcc.zip

John W2FS

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378. [aprssig] DeLorme Tripmates

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Fri, 9 Feb 2001 11:24:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134148-2001.02.09-10.38.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I ordered two reconditioned Tripmates "standard" delivery (as opposed to
"expedited") , cost, tax and shipping $112 on Wednesday afternoon. They
were delivered today already.

72 de brian, n1bq

--
N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <http://www.wulfden.org/NVQS/>
AMSAT LM-1418   NJQRP #274
QRP-L #2276   Zombie #768

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379. [aprssig] Re: New WinAPRS Error message

From: Jim Duncan <ku0g@kcaprs.org>
Date: Fri, 09 Feb 2001 10:37:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134154-2001.02.09-10.56.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:
>
> > I have a UHE as I get home AND a "WinAPRS Alert" which says "Main
> > Application appears to have Died Terminating Thread"....
>
> Jim, with your sense of humor, one would have thought that this would
> have been followed by something like, "I'm a little suprised that the
> Thread's are capable of defending themselves so well." :o)

I've been terribly ill the past 10 days. What can I say? I'm sorry to
have let so many people down...
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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380. [aprssig] Re: APRStk Rotator Control ver K21

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 11:56:53 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-134158-2001.02.09-11.11.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 9 Feb 2001, Wes Johnston wrote about rotator control in APRStk:

> That will add ALOT of gee whiz factor to my next aprs presentation.

I just did a club demo inside an auditorium with only a 3 element UHF beam
tacked onto the rotator, and we did hear a UO-14 pass INSIDE. It was
poor, but If I had only had say a 5 element beam it would have been good.

Bob

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381. [aprssig] Re: APRStk Rotator Control ver K21

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 12:09:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, amsat-bb@amsat.org
Message-ID: <LYR842-134160-2001.02.09-11.24.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 9 Feb 2001, William Owens wrote:

> Hey Bob, does this rotor work independent of the control box?
> I Have a RS rotor, couldn't locate a control box for it.

Yes, if it is a 3 wire motor and if you have a 24 volt AC transformer and
a 170 uF 50 volt non polarized capacitor.... If you dont have the
capacitor, then just hook two 150uF electrolytics in series with a diode
across each to bypass it in the wrong direction. Havent tried it, but
should work.. bob

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382. [aprssig] Re: Summary and Details of TH-D7A(G) & Garmin GPS

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Fri, 9 Feb 2001 10:39:53 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134166-2001.02.09-11.52.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Russ Brown <brownrj@home.com> wrote;

>Instead I tried to take a shortcut and sent:
>$PGRMO,,2   (which disables all output sentences)
>$PGRMO,GPGGA,1
>
>The GPS 35 only accepted the first command and did not enable GPGGA. It
>now seems dead no matter what settings I try or Hyperterminal protocols
>I use. Any ideas on how to unstick it?

The manual states that the syntax you report having used should work. It took
me a few failed tries to figure out that there is no "$" used on the GPGGA
field, but at least you report having done the right thing. It can't hurt to
double check that though. My 35 worked the way you expected, so there's a
glimmer of hope.

You might try $PGRMO,,3 to enable everything, and then start over. You might
find the following useful too, while you're in "everything" mode: $PGRMC1,10.
Satisfying the inflexible syntax requirements of the 35 is more of a
challenge when the terminal window is scrolling like mad. When you have just
the 2 sentences you desire, use $PGRMC1,1 if you want to set it to the

maximum reporting rate.

73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

383. [aprssig] A request that can not be fulfilled

From: Peter Anderson <panderson@CenterPartners.com>
Date: Fri, 9 Feb 2001 11:12:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134175-2001.02.09-12.27.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had many requests to turn off the receipt request on my email. I am
only going to say this once,
THE IT DEPARTMENT HAS TURNED THIS ON AND I CAN NOT DISABLE IT! I have to put
up with the receipt requests from all of you who have responded to my email,
if you have Outlook set up a rule to send the receipt to the trash. This is
set up by my company and I don't have any way to disable it.

Thanks for the understanding.

Peter Anderson
Qwest Choice TV and Online Tech
Work: (970) 206-8415 Ext 6401
Fax: (208) 567-4578

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384. [aprssig] APRStk OOPS

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 15:24:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134197-2001.02.09-14.39.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While setting up a laptop with APRStk (ver K21) to run a rotator on the
roof, I found it does not install properly on a virgin system. So I just
replaced this morning's posted version with version K22 that works for
new installs.. Sorry for any inconvenience.

The bug was that K21 garbled your MAPLIST\MAPLIST.APR file. The new
version will fix it. But in the meantime be sure your MAPLIST.APR file is
actually a MAPLIST file and not a garbled file. In any case, it is
alaways an exact copy of MAPLIST.USA should you need to restore it..

Sorry...

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] APRS for Super Snow Plows

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 09 Feb 2001 14:36:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134199-2001.02.09-14.50.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Snowplows are going high tech and getting AVL

http://www.cnn.com/2001/TECH/ptech/02/09/superplows.ap/index.html

Maybe they'll plow my street sometime this winter...

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

386. [aprssig] Power Inverters

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 16:47:38 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134210-2001.02.09-16.02.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For your portable APRS use, SAMS club is running a special on 350 watt DC
to AC power inverters for $30... (Surge 600 Watts) I got 2 from K3FOR.
Have not hooked em up, but first glance told me it couldn't be.... cuz teh
transformer was too small....

Then I noticed that compared to when I used to build them, now they use
DC/DC inverters at 100's of KHz to get the effeciency and transformer
sizes down and then chop it into quasi Sinwave on the high voltage end..
Cute...

Probably as noisey as a spark gap transmitter, but nice to have the power
when you need it.

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

387. [aprssig] Re: Power Inverters

From: Roger Grady <k9opo@netusa1.net>
Date: Fri, 09 Feb 2001 17:08:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134212-2001.02.09-16.21.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:47 PM 2/9/01 -0500, Bob Bruninga wrote:
>For your portable APRS use, SAMS club is running a special on 350 watt DC
>to AC power inverters for $30... (Surge 600 Watts) I got 2 from K3FOR.
>Have not hooked em up, but first glance told me it couldn't be.... cuz teh
>transformer was too small....

Along the same line, I just got a new Heartland America catalog a couple
days ago. They have a Sima PowerKit for $50 that has a 12v "80 watt hour"
battery, 140 watt AC inverter, jumper cables, a fluorescent light, and a
couple lighter sockets. I have a smaller portable power pack, without the
inverter, that I've had for several years and used numerous times for Field
Day, portable APRS stations, etc., but the gel cells are dying in it -
maybe it's time for a replacement.

Roger Grady K9OPO

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388. [aprssig] Re: GPS 162

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Fri, 9 Feb 2001 15:08:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134213-2001.02.09-16.21.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer <sparkfel@primenet.com>

>My only problem is that Garmin clearly states that the unit can not be
>stored or used if the temperature drops below 5 degrees fahrenheit and that
>damage to the LCD screen may result (not covered under warranty). This
>kind of makes it a non-starter for those of us in northern climates, unless
>you want to carry the GPS with you everytime you leave the car.

This doesn't have to occupy a high spot on the problem list, actually. LCDs
come in two varieties, regular and extended temp. On paper it looks like a
big range difference, but I've never seen an extended temp one to see if they
really do respond significantly quicker at the very low temps. Basic
readability in static conditions depends on the voltage range available on
the contrast adjustment. Things get mighty cold here in Laramie too ("I feel
your pain"): It was -26F this morning. With my HamHUD all I need to do is set
the contrast control all the way down to 0 (which BTW is perfectly fine in
mid summer too if the Hud isn't sitting in full sun with the windows rolled
all the way up while parked) and switch on the backlight at half power. In 2
minutes the backlight warmed up the gooey molecules to the point where they
can start twisting on command. It was a MAJOR problem before the contrast
command was implemented, but a non-problem for ever after.

You and I are really on the spot in terms of providing tough test cases for
equipment. Ability to use things with gloves on comes with the territory too.
In that sense the Garmin 162 looks fantastic, much better than my 12XL.

73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

389. [aprssig] Re: Power Inverters

From: Eric Cuthbert <cuthbert@sympatico.ca>
Date: Fri, 09 Feb 2001 17:01:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134214-2001.02.09-16.25.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Only noisy if you run HF mobile. Fine for noise for most vhf/uhf rigs.
As a side note, a few dozen toroid beads do the trick for noise into the
HF rig!!

Bob Bruninga wrote:
>
> For your portable APRS use, SAMS club is running a special on 350 watt DC
> to AC power inverters for $30... (Surge 600 Watts) I got 2 from K3FOR.
> Have not hooked em up, but first glance told me it couldn't be.... cuz teh
> transformer was too small....
>
> Then I noticed that compared to when I used to build them, now they use
> DC/DC inverters at 100's of KHz to get the effeciency and transformer
> sizes down and then chop it into quasi Sinwave on the high voltage end..
> Cute...
>
> Probably as noisey as a spark gap transmitter, but nice to have the power
> when you need it.
>
> de WB4APR@amsat.org, Bob
>
> APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
> APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
> You are currently subscribed to aprssig as: va3ewc@rac.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Where's Eric?   http://www.canaprs.net/locate/va3ewc-9
                  http://map.findu.com/va3ewc-9

Weather in Barrie http://www.canaprs.net/wx/va3ewc.html

http://wx.findu.com/va3ewc

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390. [aprssig] Re: Power Inverters

From: Eric Cuthbert <cuthbert@sympatico.ca>
Date: Fri, 09 Feb 2001 17:02:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134215-2001.02.09-16.55.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Only noisy if you run HF mobile. Fine for noise for most vhf/uhf rigs.
As a side note, a few dozen toroid beads on the output lead does the
trick for noise into the HF rig!!

-=73=- Eric/va3ewc

Bob Bruninga wrote:
>
> For your portable APRS use, SAMS club is running a special on 350 watt DC
> to AC power inverters for $30... (Surge 600 Watts) I got 2 from K3FOR.
> Have not hooked em up, but first glance told me it couldn't be.... cuz teh
> transformer was too small....
>
> Then I noticed that compared to when I used to build them, now they use
> DC/DC inverters at 100's of KHz to get the effeciency and transformer
> sizes down and then chop it into quasi Sinwave on the high voltage end..
> Cute...
>
> Probably as noisey as a spark gap transmitter, but nice to have the power
> when you need it.
>
> de WB4APR@amsat.org, Bob
>
> APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
> APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Where's Eric?   http://www.canaprs.net/locate/va3ewc-9
                  http://map.findu.com/va3ewc-9

Weather in Barrie http://www.canaprs.net/wx/va3ewc.html
                  http://wx.findu.com/va3ewc

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

391. [aprssig] Re: New WinAPRS Error message

From: Eric Cuthbert <cuthbert@sympatico.ca>
Date: Fri, 09 Feb 2001 15:31:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134218-2001.02.09-17.17.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In WinAPRS 2.4.7, highlight the mobile and hit "R" to replay track. The
Altitude (if present) and bearing are displayed in the botton beside the
lat long similar to WinAPRS 2.4.8.

-=73=- Eric/va3ewc

Mark Sproul wrote:
>
> At 9:15 PM -0500 2/8/01, William Owens wrote:
> >Ok, anybody else seeing "numbers" on D700 mobile stations?
> >

> >Will
>
> The numbers under the call sign is the altitude in feet or meeters as
> reported by the GPS data. This is a new feature for 2.4.8 and will
> eventually be made a preference.
>
> Mark
> --
> ---
> Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
> Manager - Engineering Computing Services | 732-445-3121
> Eng B-124-C |
> ---
>
> ---
> You are currently subscribed to aprssig as: va3ewc@rac.ca
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Where's Eric?   http://www.canaprs.net/locate/va3ewc-9
                  http://map.findu.com/va3ewc-9

Weather in Barrie http://www.canaprs.net/wx/va3ewc.html
                  http://wx.findu.com/va3ewc

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392. [aprssig] Re: GPS 162

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 09 Feb 2001 17:17:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134221-2001.02.09-17.31.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:08 PM 2/9/01, Tony Arnerich wrote:

>...Things get mighty cold here in Laramie too ("I feel
>your pain"): It was -26F this morning. With my HamHUD all I need to do is set
>the contrast control all the way down to 0 (which BTW is perfectly fine in
>mid summer too if the Hud isn't sitting in full sun with the windows rolled
>all the way up while parked)...

I think the problem is that the size of the LCD display on the 162 is much
larger than most and that might make it more prone to cracking in extreme
cold.   I doubt Garmin would place such a statement in their literature if
they didn't notice someting in their own environmental testing.

>You and I are really on the spot in terms of providing tough test cases for
>equipment. Ability to use things with gloves on comes with the territory too.
>In that sense the Garmin 162 looks fantastic, much better than my 12XL.

Oh yeah, I was out scraping the half-inch crust of ice off my car this
morning to go to a client site. At 5:15 PM we are at a balmy 1.6 degrees
F, according to my wireless thermometer (with lithium batteries in the
transmitter). That 25 MPH wind doesn't help, either. I have found a new
role for my heat gun - de-icing automobiles. A regular 1500 watt hair
dryer on high just blows cold air when it's minus 10 F.

Funny thing, looking at the weather map I see that Toledo, OH and Phoenix,
AZ are currently both 58 degrees.   Now how did that happen?

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

393. [aprssig] Re: New WinAPRS Error message

From: "Jeff Brenton" <jeffb@espi.com>
Date: Fri, 9 Feb 2001 17:53:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>, "Mark Sproul" <msproul@jove.rutgers.edu>
Message-ID: <LYR842-134223-2001.02.09-18.08.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Quote ---
EN|417347|||KC0BZZ|L||HAGIN, MATTHEW F|MATTHEW|F|HAGIN|||||312 S GREENE
ST|ROCK RAPIDS|IA|512461423||||

      Somewhere in that line is the "trigger" for an UHE. If only I had
the knowledge to find it! But perhaps somebody on the list can spot it.
--- end quote ---

I think I know!!!!!

Notice that this record has a 9-digit ZipCode; Search for ANY call sign with
a 9-digit zip, and you get a UHE, and the dialog box shows the long zip
only. Adjacent records, such as KC0BZT, that have 5-digit zips, are fine!

It's probably a too-short buffer in the routine that returns the information
from the database.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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394. [aprssig] NSTAR Flight 01A postponed to 17 Feb

From: "Mark Conner" <mconner1@home.com>
Date: Fri, 9 Feb 2001 19:00:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134227-2001.02.09-19.14.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nebraska Stratospheric Amateur Radio Flight 01A has been postponed to
Saturday, Feb. 17th, at 1630 UTC. Expected surface winds of 20-25 mph on
Sunday and continued poor road conditions make it too risky for a launch.

As a substitute, watch for N8GAK-7 from somewhere in eastern South Dakota
starting around 10pm CST tonight (04 UTC Sat) and continuing to Saturday
afternoon. N8GAK-7 will be aboard a hot-air balloon on a long-duration
flight.

I'm not optimistic about the weekend of 17/18 Feb, as we once again are
expecting some snow on Thursday and Friday, very cold on Saturday, and windy
on Sunday. You'd think it was winter in Nebraska or something........

Latest updates: http://groups.yahoo.com/group/KNSP
NSTAR page: http://members.home.net/mconner1/nstar.html

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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395. [aprssig] Re: New WinAPRS Error message

From: "Jeff Brenton" <jeffb@espi.com>
Date: Fri, 9 Feb 2001 19:20:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Mark Sproul" <msproul@jove.rutgers.edu>
Message-ID: <LYR842-134230-2001.02.09-19.34.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> 9- vs. 5-digit zips cause Unhandled Exception

Confirmed - I modified KC0BZZ's record in the FCC database to shorten his
ZipCode; After rebuilding the index, I can now look up his record without an
UE.

So, Mark, one long-standing bug is located...

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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396. [aprssig] Fw: $100 APRS Tracker

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Fri, 9 Feb 2001 20:34:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134243-2001.02.09-19.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm sure many folks have done this before but I wanted to share with you my
efforts at a tracker. All done for less than $100!

www.g7ltt.com/aprs/100dollaraprstracker.htm

Mark Phillips, G7LTT/KC2ENI
New York, NY - 11103
40' 45.781N 073' 54.472W
http://www.g7ltt.com

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397. [aprssig] WX WARNs for WNY, NNY,VT,WMA & CT

From: Arte Booten <n2zrc@webspan.net>
Date: Fri, 09 Feb 2001 20:40:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134244-2001.02.09-19.56.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

     Is anyone sending National Weather Service ADVISories, WATCHes and
WARNings
for counties in Western, Central, Northern and Capital Districts of NY,
Western
Massachussets, Northern and Northwestern PA, Vermont or Connecticut?   Tonight,
I
have the following lines to send. That's a lot of packets from one station
going
into a local network.

NWS-ADVIS   101000,HIGH_WIND,PA_BRADFO,PA_DELAWA,PA_LACKAW,PA_LUZERN,PA_PIKE,
NWS-ADVIS
101000,HIGH_WIND,NY_BROOME,NY_CHEMUN,NY_CHENAN,NY_CORTLA,NY_TIOGA,
NWS-ADVIS

```
101000,HIGH_WIND,NY_ONEIDA,NY_OTSEGO,NY_SCHUYL,NY_STEUBE,NY_SULLIV,
NWS-ADVIS
101000,HIGH_WIND,NY_SUSQUE,NY_TOMPKI,NY_MADISO,NY_WARREN,NY_WASHIN,
NWS-ADVIS
101000,HIGH_WIND,VT_ADDISO,VT_CALEDO,VT_CHITTE,VT_FRANKL,VT_ESSEX,
NWS-ADVIS
101000,HIGH_WIND,VT_GRANDI,VT_LAMOIL,VT_ORANGE,VT_ORLEAN,VT_RUTLAN,
NWS-ADVIS
101000,HIGH_WIND,VT_WASHIN,VT_WINDHA,VT_WINDSO,VT_BENNIN,MA_BERKSH,
NWS-ADVIS
101000,HIGH_WIND,NY_FRANKL,NY_STLAWR,NY_ALBANY,NY_COLUMB,NY_DUTCHE,
NWS_ADVIS
101000,HIGH_WIND,NY_GREENE,NY_RENSSE,NY_SCHENE,NY_ULSTER,NY_FULTON,
NWS_ADVIS
101000,HIGH_WIND,NY_HAMILT,NY_MONTGO,NY_HERKIM,NY_SARATO,NY_SCHOHA,
NWS_WARN      100400,HIGH_WIND,NY_ALLEGA,NY_CATTAR,NY_CHAUTA,NY_GENESE,NY_ERIE,
NWS_WARN      100400,HIGH_WIND,NY_NIAGAR,NY_ORLEAN,NY_WYOMIN,
NWS_WARN
101000,HIGH_WIND,NY_JEFFER,NY_LIVING,NY_MONROE,NY_ONTARI,NY_LEWIS,
NWS_WARN
101000,HIGH_WIND,NY_ONONDA,NY_SENECA,NY_CAYUGA,NY_OSWEGO,NY_WAYNE,
NWS_WARN
101000,HIGH_WIND,NY_CLINTO,NY_FRANKL,NY_STLAWR,NY_NEWYOR,NY_ESSEX,
NWS_WARN
101000,HIGH_WIND,NY_NASSAU,NY_SUFFOL,NY_ORANGE,NY_PUTNAM,NY_BRONX,
NWS_WARN
101000,HIGH_WIND,NY_ROCKLA,NY_WESTCH,NY_QUEENS,NY_KINGS,CT_NEW_LON,
NWS_WARN
101000,HIGH_WIND,CT_FAIRFI,CT_MIDDLE,CT_NEWHAV,CT_LITCHF,NY_RICHMO,
NWS_WARN      101000,HIGH_WIND,NJ_BERGEN,NJ_PASSAI,NJ_ESSEX,NJ_HUDSON,NJ_UNION,

     Such traffic, while possibly useful to travellers,  has a less likely
chance
making it into the areas actually affected by them (particularly  when I
transmit
them one after another, causing self-QRM as the digis retransmit them!)

     It would behoove all of us if ONE QUALIFIED SKYWARN SPOTTER in each
National
Weather Service Forecast Office's operating area were to accept responsibility
to
gather the pertinent data and transmit it for their respective areas.  This
would
help ensure that such messages reliably reach affected areas, cut down on
channel
loading and would probably be more timely anyway.

     If I may cite an example of how such a system has been working (rather
well,
if I do say so myself) for several years in the New York/New Jersey area.
Three
of us  (Art Martin, N2QAE, Boyd Prestwood, K5YKG and myself)  respectively
handle
NNJ/NE PA, SNJ/SE PA/DE and NNY/ENY/NLI.  If one of us sees warnings (or hints
to
see if there are) for the adjacent area(s), we cover each other's @$$&$,
posting
them on 144.39 and sending the otherwise occupied neighbor a heads-up.
73
+--------------------------------------------------------------------------+
|Arte Booten     <n2zrc@arrl.net>    AEC for Digital Services,    NYC
ARES/RACES|
|Riverdale, New York         [FN30bu]
!4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint  D73E  B889  C630  6F4A  F31F  3083  56BD  0AAD  9996
3B03|
+--------------------------------------------------------------------------+


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```

398. [aprssig] FCC Callbook 5 digit vs 9 digit zip code

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Fri, 9 Feb 2001 20:45:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-134245-2001.02.09-20.03.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff and Mark

Thanks for the help.. This will now be very easy to find and fix.
It will be in the next release, within a few days..

This is the type of help / comments that really do us a lot of good.

Keith Sproul

> > 9- vs. 5-digit zips cause Unhandled Exception
>
>Confirmed - I modified KC0BZZ's record in the FCC database to shorten his
>ZipCode; After rebuilding the index, I can now look up his record without an
>UE.
>
>So, Mark, one long-standing bug is located...
>
>Jeff Brenton, Amateur Radio call sign KA9VNV
>http://espi.com
>Questionable web page: http://dididahdahdidit.com
>That strange feeling that you've never
>done this before: http://uvajed.espi.com
>
>"Modern Liberalism: The embodiment of an irrational fear of
>letting other people run their own lives."
>
>
>
>---
>You are currently subscribed to aprssig as: ksproul@vger.rutgers.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

399. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Fri, 9 Feb 2001 18:17:55 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134248-2001.02.09-20.32.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> to
> gather the pertinent data and transmit it for their respective areas.

Silly question time.   Where do you gather the data?   Is this the
info that was automated but has been discontinued?

Bill

_____
Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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400. [aprssig] RE: WX WARNs for WNY, NNY,VT,WMA & CT

From: AE5PL <HamLists@ametx.com>
Date: Fri, 9 Feb 2001 21:15:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134252-2001.02.09-21.29.40--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hi Arte,

The NWS Advisories, Watches, and Warnings are sent out as NWS- messages over
the Internet APRS network and the from station is XXXYYY where XXX is the
NWS office id and YYY is the type of notice. My station is set up to gate
all messages from FWD* (any station starting with FWD) on to the local RF.
The controlling NWS office for our area is FWD. If you go to
http://www.nws.noaa.gov/om/cz.htm you can download the zone file for your
area and determine which office 3 letter prefix will appear on the
originating station call for the area of interest. This is the easiest way
to have this information disseminated.

If you are really creative, you can write a program to decode the messages
and create objects in each zone for the proper alert. The NWS even has a
file which has the central lat/long for each zone available from their web
site.

Hope this helps.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Arte Booten [mailto:n2zrc@webspan.net]
Sent: Friday, February 09, 2001 7:46 PM
To: SIG
Subject: [aprssig] WX WARNs for WNY, NNY,VT,WMA & CT

Hi all,

     Is anyone sending National Weather Service ADVISories, WATCHes and
WARNings
for counties in Western, Central, Northern and Capital Districts of NY,
Western
Massachussets, Northern and Northwestern PA, Vermont or Connecticut?
Tonight,
73
+--
----+
|Arte Booten   <n2zrc@arrl.net>   AEC for Digital Services,   NYC
ARES/RACES|
|Riverdale, New York   [FN30bu]
!4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996
3B03|
+--
----+

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401. [aprssig] Re: [NE-APRS] WX WARNs for WNY, NNY,VT,WMA & CT (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 9 Feb 2001 22:27:13 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134255-2001.02.09-21.42.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IN APRSdos anyway, you can send to SS_STATE and it will apply the warning
to the whole state...

bob

On Fri, 9 Feb 2001, Arte Booten wrote:

>   Is anyone sending National Weather Service ADVISories, WATCHes and
> for counties in Western, Central, Northern and Capital Districts of NY,
> Massachussets, Northern and Northwestern PA, Vermont or Connecticut?   Tonight,
> have the following lines to send. That's a lot of packets from one station
> into a local network.
>
> NWS-ADVIS   101000,HIGH_WIND,PA_BRADFO,PA_DELAWA,PA_LACKAW,PA_LUZERN,PA_PIKE,
> 101000,HIGH_WIND,NY_BROOME,NY_CHEMUN,NY_CHENAN,NY_CORTLA,NY_TIOGA,
> 101000,HIGH_WIND,NY_ONEIDA,NY_OTSEGO,NY_SCHUYL,NY_STEUBE,NY_SULLIV,
> 101000,HIGH_WIND,NY_SUSQUE,NY_TOMPKI,NY_MADISO,NY_WARREN,NY_WASHIN,
<snip>

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402. [aprssig] APRS'ers' That Target Shoot

From: WA4TKGMatt@aol.com
Date: Fri, 9 Feb 2001 23:12:35 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134256-2001.02.09-22.27.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking for a web site that was, THE LAST TIME I SAW IT; an off yellow
colored background, and was called: " Shooter's Encyclopedia " or something
to that effect.
It was a, for all intensive purposes, an " One Stop " page of links for all
aspects of shooting interest; Skeet , Reloading, Pistol, Rifle, etc.
Anybody that sounds familiar to ?

Tx

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403. [aprssig] Re: GPS 162 and LCD unit temp ranges.

From: JD Erskine VA7JD <VA7JD@rac.ca>
Date: Fri, 09 Feb 2001 22:20:21 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134278-2001.02.10-00.58.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:32 08/02/01 -0600, Mark Fellhauer wrote:
>
>My only problem is that Garmin clearly states that the unit can not be
>stored or used if the temperature drops below 5 degrees fahrenheit and that
>damage to the LCD screen may result (not covered under warranty).   This
>kind of makes it a non-starter for those of us in northern climates, unless
>you want to carry the GPS with you everytime you leave the car.
snip
>73,
>
>Mark
>KC7BXS

A lot of these warranties seem to deal with customer satisfaction WRT to
apparent performance in the cold environment. I've seen the same kind of
statements on products ranging from two way VHF radios, GPS rx and laptops
to watches. If the device appears to not work people often return them.
I've had my Model 100 laptop, yeah, I know, and several VHF mobile rigs out
in disgustingly low temps. Fortunately we were protected by the vehicle and
didn't really need to work all that well until we had all warmed up.

In many cases equipment has both a survival(storage)temp range and a
working temp range, just like us<g>. My trusty Icom IC-28H looked really
weird on scan on cold days. On really cold days the squelch would stay open
until it was happier with the ambient temp.

While I can accept that equipment including LCD units may be damaged by
extremely low temps, the smoke seems to leave more readily from equipment
with temperatures at the other end of the continuum. I've seen damaged LCD
units from exposure to either direct sunlight or extremely high ambient
temperatures.

While I feel your pain, I've knowingly moved to Victoria, BC many years
before I'm due to retire from anything. ;{D

73 John(aka JD) who used to "live" a 4 and a half hour drive north of
International Falls, MN.
mailto:VA7JD@rac.ca VA7OTC on APRS when on.   VE3/VE6OTC

[How cold was it? Well, the truck AND I didn't want to go to work some
weeks in mid winter. Those were the weeks it was usually below -30. The
week of -36, ok Celcius, not much difference at that point, the seat didn't
settle under my weight, the wheels remained square all the way to work and
I couldn't bend my old army mitts around the wheel. Whee!]

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404. [aprssig] Re: GPS 162 and LCD unit temp ranges.

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 10 Feb 2001 02:23:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134281-2001.02.10-02.37.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:20 AM 2/10/01, JD Erskine VA7JD wrote:

>A lot of these warranties seem to deal with customer satisfaction WRT to
>apparent performance in the cold environment. I've seen the same kind of
>statements on products ranging from two way VHF radios, GPS rx and laptops
>to watches. If the device appears to not work people often return them.

No, I don't think this is the case. They use the word "failure and related
consequences", and I think this is a uphemism for cracks or stops working
even after being warmed back up.   I have seen LCD panels exposed to
extreme cold (even for a few hours) quit working - that is certain segments
stuck on forever or certain segments stuck off forever.   My concern is the
case and or mounting actually contracting enough to crack the LCD. As I
stated before, I don't think that Garmin would've put this warning in had
they not seem something in their own environmental testing.

Although the eMap, which has a fairly large display for a handheld, and has
operating temperature specifications identical to the 162, has no low-temp
warning (that I can find) on it.

Not that I wouldn't love to own a 162, but I would be a very sad guy to
come out in the morning and find the beautiful large display cracked or
otherwise broken. At least I live in a community where I could actually
leave such a device in a car overnight and be resonably sure that the GPS
(and the car) will be there in the morning.   Although, those "exposed skin
may freeze in minutes" warnings generally keep the bad guys
indoors.   Current temp at 2:20 AM is -12 F here in Sioux Falls. At least
the 25 MPH constant wind has abated.

My only point was to make this information known to the SIG BEFORE someone
purchased a 162 and found out the hard way...
If anyone wants to buy a 162, mount it in their car and gamble with the low
temp consequences, they are more than welcome to.
Me, after seeing what happened to an LCD-display cell-phone left in a car
overnight in SoDAK in the winter, now removes all LCD devices from my car
unless I am driving it.   My work cell phone was also purchased with this
in mind and it does not have an LCD display (I sometimes forget it in the
car). Unfortunately, I've seen VFD's and LED's fail (and I mean break and
never work again) in extreme cold, too.

73,

Mark
KC7BXS

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405. [aprssig] Re: GPS 162 and LCD unit temp ranges.

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 10 Feb 2001 02:45:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134282-2001.02.10-02.59.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:20 AM 2/10/01, JD Erskine VA7JD wrote:

>While I can accept that equipment including LCD units may be damaged by
>extremely low temps, the smoke seems to leave more readily from equipment
>with temperatures at the other end of the continuum. I've seen damaged LCD
>units from exposure to either direct sunlight or extremely high ambient
>temperatures.

Having lived in Phoenix, Arizona for 14 years prior to moving to SoDak, I'm well aware of heat related failures. In college at Arizona State I had a masochistic roommate who owned a black Mustang with a black vinyl interior. Youch!

In Phoenix I wouldn't want to leave a GPS in the car - not because of heat, but because the GPS and your side window would be gone in about 15 minutes. A friend of mine (and a retired RCMP officer) lost an Alinco DX-70 from his parked locked car while he spent about 15 minutes inside a bank while wintering there.

I think next time I move I will choose a location with a more temperate climate, like San Diego... :)

73,

Mark
KC7BXS

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406. [aprssig] To all Phoenix Area APRS'ers

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 10 Feb 2001 03:37:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134283-2001.02.10-03.51.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Although not directly related to APRS, I thought I'd pass this along. Hit the delete key now if you don't want to read about a local club program. If you are visiting or passing thru Phoenix on February 15, you might want to check this out.

Thursday, February 15th at 7:00 PM - the ThunderBird Amateur Radio Club will meet at
Lou Grubb Dodge/AutoNation USA - Community Room
16406 North 26th Avenue, Phoenix AZ 85023

Program:
An unusual program this month. Club member Ron Blessin, AF7A, will present the February program on his recent 24 hour cruise onboard a Trident class nuclear submarine. Ron took plenty of still and video pictures inside the submarine, showing all but a few areas of the submarine which were classified. What an experience he has to share with us!

For those of you in the Phoenix Area who don't know Ron, he is quite a character and has many great stories both ham related and not. A former member of the RCAF and an avid traveller he has done some remarkable things, including WINNING a cruise on the QEII to England and return flight on the Concord. While onboard the QEII he obtained permission to operate from their radio room (ask him to show you the picture of Dr. Ruth holding the microphone...)

Ron's most recent cruise was under the sea in a Trident Sub - to find out how he finagled that, you'll have to attend the program. TBARC is the former Honeywell ARC of Phoenix and is a good club with some of the most intersting people you'll meet in ham radio. I've met and gotten to know some pretty well known people through TBARC including Len Winkler (of Ham

Radio & More fame and an ARRL Ham of the Year), Al Gross (now SK)
http://www.comsoc.org/socstr/awards/algross.htm and, had I not been
backpacking on the North Rim of the Grand Canyon, would've attended a
wouff-hong with Barry Goldwater. Drat!

There are many people in TBARC who are true radio pioneers. Some of them
ran the famous phone patches out of Barry Goldwater's shack during the Viet
Nam war including Bill Franklin, W7DOZ (who should write a book about his
ham radio adventures).

Generally they have very good programs and guest speakers - like Ned
Stearns, AA7A. http://hamgallery.com/gallery/number/3b9r.htm

TBARC meetings are open to all. My apologies to anyone offended by this
blatent name-dropping and promotion. ;)

73,

Mark
KC7BXS
former VP and packet coordinator, TBARC

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407. [aprssig] PocketAPRS v1.08 BUG

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sat, 10 Feb 2001 07:28:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134284-2001.02.10-06.42.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mike and all!

    There is still a bug in 1.08, that I addressed with you at Dayton, so I
thought I would remind you, and educate others how to "Bypass" it until a
fix is found.

When setting up PocketAPRS (ANY ver) under transmit control, After checking
the Enable box, under it is the path selection. The default is Relay, wide.
If you DON'T touch it (considering this may be the path you want) it will
not load the path. (I verified this watching mine on the House machine.
The station was heard direct with no path. (KD4TQZ-7:PAPRS1.08:.........)

THE TEMPORARY FIX!!

Go back into the Transmit control, and select any other path, and then
select r,w

It will work then

BTW I will be at the Baltimore Hamfest 3/31-4/1, for anyone that wants to
shake hands. I will be at the Kenwood booth, with PocketAPRS and TH-D7A (g)
in hand!!

73's de Lee/KD4TQZ

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408. [aprssig] RE: WX WARNs for WNY, NNY,VT,WMA & CT

From: AE5PL <HamLists@ametx.com>
Date: Sat, 10 Feb 2001 07:28:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134290-2001.02.10-07.42.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS+SA 1.99YK. If you don't have wild card capability for which stations
you gate to RF with your software, you might put a post asking for what the
possible combinations are for the YYY part of the from call (XXXYYY where
XXX = office, YYY = type of alert). Dale (I apologize for not knowing his
call) should be able to respond with this info).

Good luck.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Michael Francoeur [mailto:n1naf@mint.net]
Sent: Saturday, February 10, 2001 4:42 AM
To: SIG
Subject: RE: [aprssig] RE: WX WARNs for WNY, NNY,VT,WMA & CT

What program are you using for your IGATE?

- Mike/N1NAF

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409. [aprssig] Magellan GPS Tracker?

From: "kc0fkk" <kc0fkk@arrl.net>
Date: Sat, 10 Feb 2001 12:17:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134314-2001.02.10-13.32.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Help from someone in the group.

I recently purchased a Magellan GPS Tracker unit, and want to connect it to a Kantronics KCP-3+ TNC. The Kantronics manual gives a warning about checking the GPS manual to be sure that the GPS unit will accept 8 volts +/- on the NMEA data pin. This information is not included in the Tracker manual. I've sent e-mails to Magellan Tech Support, but in five days and counting I have not received a response from them.

Is anyone using this set up, and would like to share the information that they may know? Any help would be greatly appreciated, either post on SIG or e-mail me personally. Thanks in advance... KC0FKK (kc0fkk@arrl.net)

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410. [aprssig] Where can you get WX WARNs [Was: Re: WX WARNs for WNY, NNY,VT,WMA & CT]

From: Arte Booten <n2zrc@webspan.net>
Date: Sat, 10 Feb 2001 06:42:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134338-2001.02.10-16.47.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Bill V. wrote:

>Where do you gather the data?

There are lots of sources for this data. Simply listening to your local NOAA Weather Radio station is fairly obvious (if you can deal with listening to that stupid robotic voice many NOAA offices have converted to!). You can subscribe to get such stuff via www. weatherguys.com (be sure to check the text only button in the your account information area) and receive them via e-mail. I find it easiest to just go to:

http://iwin.nws.noaa.gov/iwin/XX/allwarnings.html

and substitute your state's abbreviation for XX. These pages are mostly

text-based. The only HTML is a background and border, so it loads fast.
I have the appropriate page set as my browser's home page, so as soon as
I start Netscape, the page for New York appears.   This includes NWSFO's
in Buffalo, Binghampton, Albany, New York NY and Burlington VT.   73
+--+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+--+

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411. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT (fwd)

From: Arte Booten <n2zrc@webspan.net>
Date: Sat, 10 Feb 2001 06:51:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134339-2001.02.10-16.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Bob B. wrote:

>IN APRSdos you can send to SS_STATE and it will apply the warning
>to the whole state...

     I was aware of this, and I think all NY counties were affected, but
some counties had warnings, others had advisories and some counties had
different expriation times. Believe me, sending one line instead of ten
had crossed my mind, but it would have made for inaccurate data.   73

PS: Bob, you appear to *not* be subscribed to NorthEast APRS, as I got a
bounce notice from Majordomo.   73
+--+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+--+

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412. [aprssig] WinAPRS and Precision Mapping Streets

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Sat, 10 Feb 2001 17:57:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134341-2001.02.10-17.11.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does the latest version of WinAPRS support Precision Mapping Streets 4.0? If
not, when can we expect it to?

Vic
_____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

      Home of the WindReader Electronic Theodolite
                              Read the WIND

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413. [aprssig] Interfacing GPS and Radio

From: "Tim Hardy" <tgh@mallardnet.com>
Date: Sat, 10 Feb 2001 18:07:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134342-2001.02.10-17.20.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have any information about interfacing a Magellan 4000XL to a
Kenwood D700A? I'm unable to get data from the GPS to the Radio.

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414. [aprssig] TCPIP paths

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 10 Feb 2001 17:15:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134344-2001.02.10-17.32.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been tracking N9OIG-9 from Chicago to St. Louis for 12 hours. The
path is continuous - no gaps. His path is v TCPIP,N9OIG. I've driven
that path before and there are big gaps in coverage. Does anyone know
how he's getting so many posits thru from out in the boonies? Last week
I tracked another station from Ft. Lauderdale to Indy with no gaps. Are
they using HF? I don't see GATE in the path - just TCPIP. Can someone
explain how I'm getting so many updates? And what does TCPIP in the
path do?

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

415. [aprssig] Re: WinAPRS and Precision Mapping Streets

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 10 Feb 2001 17:20:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134346-2001.02.10-17.35.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Vic Fraenckel wrote:
>
> Does the latest version of WinAPRS support Precision Mapping Streets 4.0?

NO.

>If not, when can we expect it to?

Don't hold your breath.

> Vic
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

416. [aprssig] Re: Magellan GPS Tracker?

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 10 Feb 2001 17:21:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134347-2001.02.10-17.37.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

kc0fkk wrote:
>
> Help from someone in the group.
>
>   I recently purchased a Magellan GPS Tracker unit, and want to connect
> it to a Kantronics KCP-3+ TNC. The Kantronics manual gives a warning about

> checking the GPS manual to be sure that the GPS unit will accept 8 volts +/-
> on the NMEA data pin. This information is not included in the Tracker
> manual. I've sent e-mails to Magellan Tech Support, but in five days and
> counting I have not received a response from them.
>

+/- 8 volts is within RS232 specifications. Shouldn't be a problem.

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417. [aprssig] Re: Magellan GPS Tracker?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 10 Feb 2001 18:32:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134349-2001.02.10-17.49.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:21 PM 2/10/01 -0600, Skip Allison wrote:

>kc0fkk wrote:
> >
> > Help from someone in the group.
> >
> >   I recently purchased a Magellan GPS Tracker unit, and want to connect
> > it to a Kantronics KCP-3+ TNC. The Kantronics manual gives a warning about
> > checking the GPS manual to be sure that the GPS unit will accept 8
> volts +/-
> > on the NMEA data pin. This information is not included in the Tracker
> > manual. I've sent e-mails to Magellan Tech Support, but in five days and
> > counting I have not received a response from them.
> >
>
>+/- 8 volts is within RS232 specifications. Shouldn't be a problem.

The question is wether +/- 8V is within NMEA spec.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

418. [aprssig] Re: WinAPRS and Precision Mapping Streets

From: RMckni8527@aol.com
Date: Sat, 10 Feb 2001 19:13:45 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134353-2001.02.10-18.28.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/10/01 3:00:05 PM Pacific Standard Time,
vfraenc1@nycap.rr.com writes:

> Does the latest version of WinAPRS support Precision Mapping Streets 4.0? If
> not, when can we expect it to?
>

No. At this point, it's been about 2+ years since v 4.0 has been released,
and still no support. So, take your best shot...??? Most recent supported
PMap version is v3.5.

419. [aprssig] Re: Magellan GPS Tracker?

From: RMckni8527@aol.com
Date: Sat, 10 Feb 2001 19:17:11 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134354-2001.02.10-18.32.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/10/01 3:38:47 PM Pacific Standard Time,
dvanhorn@cedar.net writes:

> >
> >+/- 8 volts is within RS232 specifications. Shouldn't be a problem.
>
> The question is wether +/- 8V is within NMEA spec.
>

The voltage of a serial port has absolutely nothing to do with NMEA. Their
specification deals with the communications protocol, not the voltage levels
on the port. NMEA-0183 is just a communications protocol.

420. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Sat, 10 Feb 2001 19:19:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134356-2001.02.10-18.34.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 2/9/01 8:40 PM, Arte Booten at n2zrc@webspan.net wrote:
>   Is anyone sending National Weather Service ADVISories, WATCHes and
> WARNings
> for counties in Western, Central, Northern and Capital Districts of NY,

High wind warnings were automatically sent via aprsdALY/n2lbt-1 I-Gate
station starting at 22:55 EST yesterday and continuing through the night.
The warning areas that n2lbt-1 is able to cover for are NWS Field offices
ALY(Albany,NY) BTV(Burlington,VT) and BGM(Binghamton,NY).

When Skywarn is activated, amateur Radio Station WX2ALY is equipped with a
full time APRS station, as it has been for almost 2 years. Skywarn operators
ss well at various Amateur radio operators working at the NWSFO are trained
in sending out watches and warnings via WinAPRS to back up the automated
WXSVR. The message list in WinAPRS is also checked as part of the daily
operations at the NWSFO.

Please contact WX2ALY(trustee w2fxj@aol.com) or myself n2lbt@n2lbt.com
before sending any warnings or watches via APRS for the Warning area of NWS
FO Albany. This will help cut down on possible QRM of our already
overburdened RF network here in upstate NY.

Dennis Hudson, N2LBT
Amateur Skywarn EC
Albany, NY'
Sysop aprsdALY, n2lbt-1
n2lbt@n2lbt.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

421. [aprssig] Re: Where can you get WX WARNs

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Sat, 10 Feb 2001 16:21:10 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134358-2001.02.10-18.35.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Next question.

> >Where do you gather the data?
>
> I find it easiest to just go to:
>
>   http://iwin.nws.noaa.gov/iwin/XX/allwarnings.html

Was this what was automated?   If so, is the technology available?
If not, it should be easy to do..

Bill

_____

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

422. [aprssig] Re: Magellan GPS Tracker?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 10 Feb 2001 19:34:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134359-2001.02.10-18.51.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:17 PM 2/10/01 -0500, RMckni8527@aol.com wrote:
>In a message dated 2/10/01 3:38:47 PM Pacific Standard Time,
>dvanhorn@cedar.net writes:
>
>
>> >
>> >+/- 8 volts is within RS232 specifications. Shouldn't be a problem.
>>
>>The question is wether +/- 8V is within NMEA spec.
>
>
>The voltage of a serial port has absolutely nothing to do with NMEA. Their
>specification deals with the communications protocol, not the voltage levels
>on the port. NMEA-0183 is just a communications protocol.

I haven't seen the NMEA spec, but those TTL serial ports didn't appear out
of the quantum foam.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

423. [aprssig] Re: Magellan GPS Tracker?

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Sat, 10 Feb 2001 18:38:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134361-2001.02.10-18.56.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Perhaps the real issue might be:

RS-232 is a "bipolar" signal, going positive and negative. Off the top of
my head, I recall that the spec was +3/+15 and -3/-15 volts dc. Note that
there is a zone of voltage centered around zero volts that aren't considered
as a one or zero binary digit. This was for noise immunity purposes. Also,
the signal on the RS-232 side of the circuit was 'inverted' from the signal
on the 'chip' side (going to the serial uart). In the old days, I had to
build positive and negative power supplies whenever I had to have an RS-232
port. Now there are chips that do this signal inversion and negative
voltage generation without the need for a negative power supply to be built
into my products.

Generally, chips run on a single voltage supply. For example, the 74xx
family TTL chips run on -5vdc, 74HCTxx family chips can use 0-6Vdc and the
14xxx family could use 0-14vdc (if I remember right). What is important is
that negative voltages applied to input pins (such as the serial uart) would
normally let the smoke right out of the chip. Exceeding their maximum power
voltage rating anywhere would also pop the chip.

Proof of this RS232 problem can be seen by the folks that used to buy a
gender bender and plug their modem into the PC's printer port. Since the
RS232 spec says that the RS232 driver chip shall support direct shorts on as
many as 4 pins at once, the parallel printer port would invariably pop.
Often, that was the printer port on the old monochrome display cards so it
meant a new display card too...

Some Garmin GPS units have "CMOS level" signals (read this as not RS232)
meaning that they are 0-5vdc input pins (not inverted either) and these
would be destroyed by plugging these directly into a true RS232 serial port.
These are intended for direct connection to a microprocessor or PIC for
example. Other Garmin GPS units have true RS232 circuits on them.

Your Kantronics warning most probably is trying to help you be sure that you
are using a GPS with true (or compatible) RS232 signals (bipolar voltage and
inverted) so that you would not destroy a GPS unit with "CMOS or TTL level"
voltage inputs that are not inverted.

If your Magellan says you have a "PC Compatible" serial port, then you are
safe with the Kantronics voltage levels and the inverted data will input
properly into RS232 serial ports OK. If you have opened the case and found
an undocumented 'serial signal', you most probably need one of those little
RS232 driver chips...

I've seen many similar questions like yours, so I hope this will help you
and possibly others.

Best wishes,
Scott
KD5MHM

----- Original Message -----
From: "kc0fkk" <kc0fkk@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, February 10, 2001 1:17 PM
Subject: [aprssig] Magellan GPS Tracker?

> Help from someone in the group.
>
>   I recently purchased a Magellan GPS Tracker unit, and want to connect
> it to a Kantronics KCP-3+ TNC. The Kantronics manual gives a warning about
> checking the GPS manual to be sure that the GPS unit will accept 8 volts
+/-
> on the NMEA data pin. This information is not included in the Tracker
> manual. I've sent e-mails to Magellan Tech Support, but in five days and
> counting I have not received a response from them.
>
> Is anyone using this set up, and would like to share the information that
> they may know? Any help would be greatly appreciated, either post on SIG
or
> e-mail me personally. Thanks in advance... KC0FKK (kc0fkk@arrl.net)
>
>
> ---
> You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

424. [aprssig] Re: Magellan GPS Tracker?

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Sat, 10 Feb 2001 18:54:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134362-2001.02.10-19.08.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IMPORTANT CORRECTION -

This sentence LOST a Zero.
>For example, the 74xx
> family TTL chips run on -5vdc, 74HCTxx family chips can use 0-6Vdc and the
> 14xxx family could use 0-14vdc (if I remember right).

It should say that TTL chips run on 0-5vdc ....

For example, the 74xx

family TTL chips run on 0-5vdc, 74HCTxx family chips can use 0-6Vdc and the
14xxx family could use 0-14vdc (if I remember right).

Sorry for the typo and repost, but that makes the entire sentence wrong
without the correction...

Additionally, the NMEA specs really don't spec out anything about voltages
nor how they're transmitted, just how they are formated and how the data is
handled.

The non-RS232 serial ports the chip input pin for a uart (Universal
Asyncronous Receiver/Transmitter) or microprocessor that runs on the typical
0-5vdc, non-inverted. Again, in the old days, we needed two important
things - long signal lines and better noise immunity. The bi-polar RS232
spec gave us both, good s/n ratios and 15 meter cable length. It can be
difficult to drive a TTL 0-5vdc signal much more than a couple of feet...

----- Original Message -----
From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, February 10, 2001 6:38 PM
Subject: [aprssig] Re: Magellan GPS Tracker?

> Perhaps the real issue might be:
>
> RS-232 is a "bipolar" signal, going positive and negative. Off the top of
> my head, I recall that the spec was +3/+15 and -3/-15 volts dc. Note that
> there is a zone of voltage centered around zero volts that aren't
considered
> as a one or zero binary digit. This was for noise immunity purposes.
Also,
> the signal on the RS-232 side of the circuit was 'inverted' from the
signal
> on the 'chip' side (going to the serial uart). In the old days, I had to
> build positive and negative power supplies whenever I had to have an
RS-232
> port. Now there are chips that do this signal inversion and negative
> voltage generation without the need for a negative power supply to be
built
> into my products.
>
> Generally, chips run on a single voltage supply. For example, the 74xx
> family TTL chips run on -5vdc, 74HCTxx family chips can use 0-6Vdc and the
> 14xxx family could use 0-14vdc (if I remember right). What is important
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> that negative voltages applied to input pins (such as the serial uart)
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> normally let the smoke right out of the chip. Exceeding their maximum
power
> voltage rating anywhere would also pop the chip.
>
> Proof of this RS232 problem can be seen by the folks that used to buy a
> gender bender and plug their modem into the PC's printer port. Since the
> RS232 spec says that the RS232 driver chip shall support direct shorts on
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> many as 4 pins at once, the parallel printer port would invariably pop.
> Often, that was the printer port on the old monochrome display cards so it
> meant a new display card too...
>
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> meaning that they are 0-5vdc input pins (not inverted either) and these
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port.
> These are intended for direct connection to a microprocessor or PIC for
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> Your Kantronics warning most probably is trying to help you be sure that
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> inverted) so that you would not destroy a GPS unit with "CMOS or TTL
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> voltage inputs that are not inverted.
>
> If your Magellan says you have a "PC Compatible" serial port, then you are
> safe with the Kantronics voltage levels and the inverted data will input
> properly into RS232 serial ports OK. If you have opened the case and

found
> an undocumented 'serial signal', you most probably need one of those
little
> RS232 driver chips...
>
> I've seen many similar questions like yours, so I hope this will help you
> and possibly others.
>
> Best wishes,
> Scott
> KD5MHM
>
>
>
> ----- Original Message -----
> From: "kc0fkk" <kc0fkk@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, February 10, 2001 1:17 PM
> Subject: [aprssig] Magellan GPS Tracker?
>
>
> > Help from someone in the group.
> >
> >   I recently purchased a Magellan GPS Tracker unit, and want to
connect
> > it to a Kantronics KCP-3+ TNC. The Kantronics manual gives a warning
about
> > checking the GPS manual to be sure that the GPS unit will accept 8 volts
> +/-
> > on the NMEA data pin. This information is not included in the Tracker
> > manual. I've sent e-mails to Magellan Tech Support, but in five days and
> > counting I have not received a response from them.
> >
> > Is anyone using this set up, and would like to share the information
that
> > they may know? Any help would be greatly appreciated, either post on SIG
> or
> > e-mail me personally. Thanks in advance... KC0FKK (kc0fkk@arrl.net)
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
>
> ---
> You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

425. [aprssig] Re: Magellan GPS Tracker?

From: RMckni8527@aol.com
Date: Sat, 10 Feb 2001 19:53:32 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134363-2001.02.10-19.09.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/10/01 4:37:39 PM Pacific Standard Time,
dvanhorn@cedar.net writes:

>
> I haven't seen the NMEA spec, but those TTL serial ports didn't appear out
> of the quantum foam.
>

I may have spoken out of turn, but I just got a full print of NMEA-0183 at
work. I'll bring it home for a week or so and can answer any questions that
SIG members might have. It's silly that it costs so much, how do they expect

such an important and widely used standard to be applied successfully when
they want $250 for the right to see what it says? And they won't post it on
the web, where it belongs for all of us to use. GREEDY!

426. [aprssig] Re: WinAPRS and Precision Mapping Streets

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Sat, 10 Feb 2001 20:06:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134364-2001.02.10-19.20.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Vic Fraenckel wrote:
|| Does the latest version of WinAPRS support Precision Mapping Streets 4.0?
If
|| not, when can we expect it to?

and RMckni852 responded:
| No. At this point, it's been about 2+ years since v 4.0 has been
released,
| and still no support. So, take your best shot...??? Most recent
supported
| PMap version is v3.5.

Therefore, does anyone have version 3.5 that they would like to sell?

Vic
_____

Victor Fraenckel - The Windman vfraenc1@nycap.rr.com
KC2GUI www.windsway.com

      Home of the WindReader Electronic Theodolite
                              Read the WIND

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

427. [aprssig] TAPR Press Release

From: John Ackermann N8UR <jra@febo.com>
Date: Sat, 10 Feb 2001 20:20:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134375-2001.02.10-19.33.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

February 10, 2001
TAPR APPOINTS NEW DIRECTORS, SECRETARY

Steve Stroh, N8GNJ, and Byon Garribrant, N6BG, have been appointed to the
TAPR Board of Directors, and Guy Story, KC5GOI, has been appointed the
organization's Secretary.

Steve Stroh is a long time member of TAPR. He lives in Woodinville,
Washington, a suburb of Seattle, where he is a member of the Puget Sound
Amateur Radio TCP/IP Group (also known as WetNET, the Washington
Experimenter's TCP/IP Group) and MicroHAMs, the Microsoft Amateur Radio
Club. Steve's major interests in Amateur Radio are digital modes and
advanced wireless networking. Steve has been the manager of TAPR's
"NetSig" special interest group for several years, and has also been active
in TAPR's spread spectrum SIG.

Steve was recently named Digital Editor for CQ Amateur Radio Magazine and
writes CQ's monthly Digital Wireless column. Professionally, he is a
full-time Independent Technology Writer, focusing on Broadband Wireless
Internet Access.

Steve will fill the remaining Board term of Greg Jones, WD5IVD, who
previously announced his desire to resign from his TAPR offices after many
years of service.

Byon Garribrant has been active in packet radio and transmitter hunting
since he was licensed in 1990. He served as the Digital Communications
Officer for Orange County RACES for 5 years, maintaining the group's packet
BBS, and organizing digital communication exercises using packet
message-passing software he created.

In 1998, Byon began actively working with TAPR as a member of the PIC-E design team, and published the firmware used in the PIC-E. He has also given presentations at the last three Digital Communication Conferences on PIC programming. Byon has created several PIC-based amateur radio devices, including the GST-1 and GST-2, which allow GPSs to be used with APRS, the TinyTrak, an inexpensive TNC replacement for an APRS tracker, and PicCon, a transmitter controller for T-Hunting. He sells these devices as kits from his home business, Byonics. He lives in Las Vegas, Nevada, with his wife, Lara, KD6AYO, and three children and works as a computer game programmer for Westwood Studios.

Byon will fill the remaining Board term of Barry McLarnon, VE3JF, who served TAPR as a Director and volunteer for many years. TAPR will miss Barry's technical knowledge and true ham spirit.

Guy Story was first licensed in 1994 and has been an active packet radio user since his first day as a ham. He operated a TCP/IP station using JNOS before becoming active in APRS in early 1997, when he also joined TAPR. As a TAPR member, he has been actively involved in the organization's APRS and spread spectrum activities. Guy is also the APRS Chairman and repeater control operator for the Denton County Amateur Radio Association and is an assistant emergency coordinator for Denton County ARES.

Guy lives in Denton, Texas and is an Electronics Technician in the area of EMC/EMI compliance for Interphase Corporation in Dallas.

Guy takes over as Secretary from Bob Hansen, N2GDE, who continues as a Director and as Editor of the Packet Status Register, TAPR's quarterly journal.

About TAPR
TAPR (officially, Tucson Amateur Packet Radio, Inc.) is a non-profit research and development corporation dedicated to advancing amateur radio through digital technology. It focuses on development of hardware and software tools that enable ham radio operators to explore leading edge technologies. Despite its name, TAPR is an international organization with over 2000 members worldwide.

Contact information:
Telephone: (940) 383-0000
Email: tapr@tapr.org
Web: http://www.tapr.org

---------- End Forwarded Message ----------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

428. [aprssig] Re: Magellan GPS Tracker?

From: "Alfred Lee" <alfred1520@yahoo.com>
Date: Sat, 10 Feb 2001 17:50:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134377-2001.02.10-20.05.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For what my faulty memory is worth, I do remember a few years ago reading something about the NMEA being 0-5V and is not strictly RS-232. Some one else indicated having access to the spec so that can be verified real soon.

Alfred
-----Original Message-----
From: RMckni8527@aol.com <RMckni8527@aol.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org <aprssig@tapr.org>
Date: Saturday, February 10, 2001 4:28 PM
Subject: [aprssig] Re: Magellan GPS Tracker?

In a message dated 2/10/01 3:38:47 PM Pacific Standard Time,
dvanhorn@cedar.net writes:

>
>+/- 8 volts is within RS232 specifications. Shouldn't be a problem.

The question is wether +/- 8V is within NMEA spec.

The voltage of a serial port has absolutely nothing to do with NMEA. Their
specification deals with the communications protocol, not the voltage levels
on the port. NMEA-0183 is just a communications protocol.

429. [aprssig] CPU chip for KPC3?

From: "Jack Coster" <Jackc2740@cs.com>
Date: Sat, 10 Feb 2001 20:25:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134380-2001.02.10-20.39.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a dead KPC3 (lightning) and after doing all sorts of other
replacements, it seems that the CPU chip has been damaged. This is the big
64 pin job made, I think by Hitachi (at least in my TNC) and is an
HD63B03XP.
Kantronics service says they dont have these chips anymore. (They have also
used another one in the KPC3, but I forget what it was).
I have checked a few sources and can't find the chip.
Does anyone know where one of these could be gotten, and about what they
might cots?
Thanks.

Jack, WF8X

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430. [aprssig] Re: CPU chip for KPC3?

From: Jeff King <jeff@aerodata.net>
Date: Sat, 10 Feb 2001 21:39:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134385-2001.02.10-21.07.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jack Coster wrote:

> I think by Hitachi (at least in my TNC) and is an
> HD63B03XP.
> Kantronics service says they dont have these chips anymore.

> I have checked a few sources and can't find the chip.
> Does anyone know where one of these could be gotten, and about what they
> might cots?

These folks claim to have 58 of them:

http://www.assetrecoverycorp.com/C&T/ics.htm

No idea on the price but most of these places charge was much as they
can get (not cheap!).

Electronics Buyers News is also a good source for obsolete components.

Good luck

-Jeff

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431. [aprssig] Re: Magellan GPS Tracker?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 10 Feb 2001 23:32:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134388-2001.02.10-22.49.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:53 PM 2/10/01 -0500, RMckni8527@aol.com wrote:
>In a message dated 2/10/01 4:37:39 PM Pacific Standard Time,
>dvanhorn@cedar.net writes:
>
>
>>
>>I haven't seen the NMEA spec, but those TTL serial ports didn't appear out
>>of the quantum foam.
>
>
>I may have spoken out of turn, but I just got a full print of NMEA-0183 at
>work. I'll bring it home for a week or so and can answer any questions that
>SIG members might have. It's silly that it costs so much, how do they expect
>such an important and widely used standard to be applied successfully when
>they want $250 for the right to see what it says? And they won't post it on
>the web, where it belongs for all of us to use. GREEDY!

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--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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432. [aprssig] Re: Magellan GPS Tracker?

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 10 Feb 2001 22:49:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134390-2001.02.10-23.05.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:
>
> >+/- 8 volts is within RS232 specifications. Shouldn't be a problem.
>
> The question is wether +/- 8V is within NMEA spec.
>

NMEA 1083 does not specify whether the interface is TTL (0-5V) or RS232
(-9 - +9). However, all GPS receivers I've seen are RS232. The manual
should say. If you're not sure, look at the output of the GPS receiver
and see if is 0 - 5V or +/- 9V.

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

433. [aprssig] Make web maps for Lat/Long reports? Better maps?

From: Dale Coleman <kf4sir@earthlink.net>
Date: Sun, 11 Feb 2001 13:35:25 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134446-2001.02.11-08.57.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all, I was hoping someone might know of the best way to do this:

I want to be able to take Lat/Long position reports that I hope to receive
from a sailboat in the Del Rey to Puerto Vallarta race and make a map for
display on my web site.

So far I have found I can use my WinAPRS and the Edit --> Edit/add
Station/object and post a new object then print screen to capture the
graphic to clipboard and from there I can start a new file using my graphic

program. This is workable but I need better maps of the west coast USA,
Mexico and offshore.

A sample of what I'm trying to do is at:
http://psk31relay/etranger.html

Anybody know where I might get some better maps for WinAPRS?

Does anybody know of a better way to do this?

Thanks for any help,

Dale

--
Dale Coleman
kf4sir@earthlink.net
MFSK16, PSK31, PSK125, and Amtor FEC mode test starting Feb 14
http://psk31relay.net/schedule.html

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434. [aprssig] Standards (was Re Magellan ....)

From: "Neil Johnson" <njohnson@interl.net>
Date: Sun, 11 Feb 2001 12:42:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134470-2001.02.11-12.56.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Many standards bodies charge for at least some their documents, IEEE, ITU,
ANSI, SEMI, and so on (They even charge to download PDF files via the web).
It's one of the ways for them to recuperate their costs. As industry
sponsored organizations I haven't got any problems with that.

I DO however object to paying for standards and information developed with
my tax dollars (TIGER/Line (TM) data in particular). Particularly when said
data can be provided on the net for easy access.

Neil M. Johnson
njohnson@interl.net
http://www.interl.net/~njohnson
PGP Key Finger Print: 93C0 793F B66E A0C7 CEEA 3E92 6B99 2DCC

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435. [aprssig] Re: Make web maps for Lat/Long reports? Better maps?

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sun, 11 Feb 2001 13:49:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134475-2001.02.11-14.04.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale,

On Sunday, February 11, 2001 12:09 PM, Dale Coleman [SMTP:kf4sir@earthlink.net]
wrote:
SNIP
> I want to be able to take Lat/Long position reports that I hope to receive
> from a sailboat in the Del Rey to Puerto Vallarta race and make a map for
> display on my web site.

> So far I have found I can use my WinAPRS and the Edit --> Edit/add
> Station/object and post a new object then print screen to capture the
> graphic to clipboard and from there I can start a new file using my graphic
> program. This is workable but I need better maps of the west coast USA,
> Mexico and offshore.

You could use AFilter to capture just the packets from the vessels of interest.
 The packets from each vessel are saved in seperate files. These files can
then be re-read by AFilter and supplied to WinAprs. The resulting maps will

only contain vessels of interest.

Bill KC9XG
SNIP
>
> Dale Coleman
> kf4sir@earthlink.net
> MFSK16, PSK31, PSK125, and Amtor FEC mode test starting Feb 14
> http://psk31relay.net/schedule.html
>
>
> ---
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436. [aprssig] Re: Magellan GPS Tracker?

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Sun, 11 Feb 2001 10:12:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@tapr.org
Message-ID: <LYR842-134453-2001.02.11-10.27.14--lyris.aprssig#tapr.org@lists.tapr.org>
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David VanHorn wrote:
>
> At 07:53 PM 2/10/01 -0500, RMckni8527@aol.com wrote:
> >In a message dated 2/10/01 4:37:39 PM Pacific Standard Time,
> >dvanhorn@cedar.net writes:
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> >>I haven't seen the NMEA spec, but those TTL serial ports didn't appear out
> >>of the quantum foam.
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> >I may have spoken out of turn, but I just got a full print of NMEA-0183 at
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> >SIG members might have. It's silly that it costs so much, how do they expect
> >such an important and widely used standard to be applied successfully when
> >they want $250 for the right to see what it says? And they won't post it on
> >the web, where it belongs for all of us to use. GREEDY!
>
> Copyright protects the document in it's exact form, but <<NOT>> the contents.

I've been told that the NMEA-0183 WG gets a big chunk of its working
funds by selling copies of the document. Because of that, I support the
concept of buying it. I'd prefer to see it on the Web, but instead, I
suspect I'll scan it and add it to my private digital library.

Gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

437. [aprssig] Re: Magellan GPS Tracker?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 11 Feb 2001 11:19:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@tapr.org
Message-ID: <LYR842-134456-2001.02.11-10.36.47--lyris.aprssig#tapr.org@lists.tapr.org>
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>
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> contents.
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>I've been told that the NMEA-0183 WG gets a big chunk of its working
>funds by selling copies of the document. Because of that, I support the
>concept of buying it. I'd prefer to see it on the Web, but instead, I
>suspect I'll scan it and add it to my private digital library.

Understand, I'm NOT suggesting that you scan and post, that would be wrong.
However, if you were to take it section by section, and write up a
"Significant issues with NMEA" document, then that would be ok.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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438. [aprssig] Re: Make web maps for Lat/Long reports? Better maps?

From: RMckni8527@aol.com
Date: Sun, 11 Feb 2001 16:30:54 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134494-2001.02.11-15.45.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/11/01 10:15:34 AM Pacific Standard Time,
kf4sir@earthlink.net writes:

> Anybody know where I might get some better maps for WinAPRS?
>
> Does anybody know of a better way to do this?
>

If you have a friend who has one of the various electronic navigation
programs, like The Cap'n, NavMaster, etc and has the electronic charts for
the entire voyage, you've got made! The charts would be a far better
solution when they are offshore, since WinAPRS charts don't show anything
except land, but the charts will show depth contours and nav aids, as well as
any shipping lanes, etc, plus coastlines, major features like towers and big
oil tanks etc. This is a long shot, but they're the best medium for tracking
a vessel. If you can find the charts and need a way to display them, there
are free viewers available. Single electronic charts typically cost about
$15 if you want to go that route.

Good Luck
Ray
Seattle

439. [aprssig] Re: Make web maps for Lat/Long reports? Better maps?

From: Dale Coleman <kf4sir@earthlink.net>
Date: Sun, 11 Feb 2001 18:09:18 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134465-2001.02.11-12.24.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry about the QSB of the brain - had bad link on first post, lets try again.

Hi all, I was hoping someone might know of the best way to do this:

I want to be able to take Lat/Long position reports that I hope to receive
from a sailboat in the Del Rey to Puerto Vallarta race and make a map for
display on my web site.

So far I have found I can use my WinAPRS and the Edit --> Edit/add
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program. This is workable but I need better maps of the west coast USA,
Mexico and offshore.

A sample of what I'm trying to do is at:
http://psk31relay.net/etranger.html

(Was missing .net)

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Dale Coleman
kf4sir@earthlink.net
MFSK16, PSK31, PSK125, and Amtor FEC mode test starting Feb 14
http://psk31relay.net/schedule.html

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440. [aprssig] Re: Make web maps for Lat/Long reports? Better maps?

From: Brian D Heaton <bdheaton@c4i2.com>
Date: Sun, 11 Feb 2001 23:11:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134508-2001.02.11-17.21.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale,

Couple questions:

1. What format will you be receiving the LAT/LON formats in (are you
planning on hand typing?)
2. Do you control the web server (ie - can you add a couple scripts to it)
3. Roughly how often do you need to post updates?

73/N5VFF

On 2001.02.11 18:09 Dale Coleman wrote:
> Sorry about the QSB of the brain - had bad link on first post, lets try
> again.
> ---
> Hi all, I was hoping someone might know of the best way to do this:
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> from a sailboat in the Del Rey to Puerto Vallarta race and make a map for
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> Dale Coleman
> kf4sir@earthlink.net
> MFSK16, PSK31, PSK125, and Amtor FEC mode test starting Feb 14
> http://psk31relay.net/schedule.html
>
>
> ---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

441. [aprssig] Tracker Paths and TCP/IP

From: Scott Thile <scott.thile@murraystate.edu>
Date: Sun, 11 Feb 2001 17:40:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134515-2001.02.11-17.57.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi folks,

I'm a little new to APRS and brand new to tracker set ups, but I am having
a blast with it.

I cannot seem to get my APRS base station to relay my tracker location out
through TCP/IP to the internet. I'm not exactly sure what I'm doing wrong.
The base station is tracking my tracker fine. My base station reports it's
own position to the TCP/IP server fine, but it does not relay the other
local VHF information, which includes my mobile tracker.

Here is my set up:
Base station is running WinAPRS through the AGW packet engine via the
soundcard and interface to a VHF radio. That all seems to be working great.
I am connected through TCP/IP to the internet APRS servers, and my base
station data is uploaded, and downloaded fine, EXCEPT it does not echo the
local VHF data to TCP/IP, and, I DO have "Feed (Echo) local data to TCP/IP"
checked under the TCP server settings..

I have an Alinco DR-135TP and eTrex GPS set up as a tracker (K4SET-5), and
it seems to be working fine as far as local VHF tracking goes. I have my
path set to K4SET,WIDE,WIDE. (K4SET is my APRS base station.)

Shouldn't the base station by relaying me via TCP/IP to the internet
servers? But the tracker doesn't show up there, even though the base
station does, and the base station sees the tracker.

Any ideas? Do I need to change my tracker path, or something on WinAPRS's
settings, or both?

Any help would be greatly appreciated, 73,
Scott, K4SET

Scott E. Thile, RPT
Piano and Instrument Technician

Department of Music, Murray State University
PO Box 9, Murray, KY 42071, Phone: 270-762-4396

Work Page: http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Ham Radio Page:
http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Family Page: http://campus.murraystate.edu/staff/scott.thile/family/index.htm
Nickel Creek Page: http://www.nickelcreek.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

442. [aprssig] RE: Tracker Paths and TCP/IP

From: "Michael Francoeur" <n1naf@mint.net>
Date: Sun, 11 Feb 2001 19:15:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134519-2001.02.11-18.27.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've just recently started experimenting with AGWPE and WinAPRS myself and
noticed the same behavior. It seems that WinAPRS treats the AGPWE soundcard
as a TCP/IP port and therefore doesn't retransmit the information back to
TCP/IP.

This sounds like a good question for Mark.

- Mike/N1NAF

-----Original Message-----
From: bounce-aprssig-15986@lists.tapr.org
[mailto:bounce-aprssig-15986@lists.tapr.org]On Behalf Of Scott Thile
Sent: Sunday, February 11, 2001 6:40 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Tracker Paths and TCP/IP

Hi folks,

I'm a little new to APRS and brand new to tracker set ups, but I am having
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Scott, K4SET

Scott E. Thile, RPT
Piano and Instrument Technician

Department of Music, Murray State University
PO Box 9, Murray, KY 42071, Phone: 270-762-4396

Work Page: http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Ham Radio Page:
http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Family Page:
http://campus.murraystate.edu/staff/scott.thile/family/index.htm
Nickel Creek Page: http://www.nickelcreek.com/

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443. [aprssig] [Re: TCPIP paths]

From: Skip Allison <sallison@megsinet.net>
Date: Sun, 11 Feb 2001 20:09:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134531-2001.02.11-20.26.38--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

The raw packet was
N9OIG-9>APK101,TCPIP*,N9OIG*:@120150z3802.51N/09129.91Wk073/063/Mic-E/M2/In
Service>ek/]"7P}Just passing through 146.52

I find it hard to believe he could make it back from west of St. Louis
to Chicago with RELAY,WIDE,WIDE.

I also saw something similar in a trip from Ft. Lauderdale to Indy with
no gaps in the path.
It's also hard to believe that path was so complete.

Skip
K9SA

>His actual path is relay,wide,wide. You can query the aprs search page to see his raw data

>http://www.wulfden.org/APRSQuery.shtml

>I think some of the igates put the tcpip in the path as it sends it to the igate servers. He
>probably is also a big rig with a very high antenna and lots of power so he does better than most
>people.

>73's K0STL

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444. [aprssig] Re: Interfacing GPS and Radio

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Sun, 11 Feb 2001 20:32:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134538-2001.02.11-21.52.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:07 PM 2/10/01 -0500, Tim Hardy blasted the following out into the ether:

      Who's that, you say? KC0PA? That you, Tim???

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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445. [aprssig] DeLorme Tripmates - Questions

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Sun, 11 Feb 2001 18:27:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134510-2001.02.11-17.41.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(1) Well my two reconditioned Tripamtes arrived in fine fashion. I went
to fire them up this afternoon using just batterries and a laptop to
send the ASTRAL string and view the results.

The first unit powered up and sequenced as expected, showing the
Freeport, Maine long/lat as you would expect. Then after about 5 minutes
total it had lock, my coordinates and was issuing the full suite of
sentences.

The second unit goes for three minutes or so and issues a $PRxxER
message and starts sending ASTRAL again. Over and over again the same
sequence. I assume this one is not recieving anything .. or is there
something I haven't done/need to do?

(2) The next Q is about power for the unit. I have been all through a number of websites on Tripmate conversion. Do I understand correctly that the unit, as is from the factory will take +5-6 vdc through pin 9 on the DB-9F? Thus allowing me to do the TxD/RxD crossover, pull up on DTR and 12/5V conversion in a small project box with a DB-9M, a power connection and a connector to my D700 and not have to hack the unit?

(3) Obviously the RxD on the Tripmates works, because we send the ASTRAL string to it to get it rolling. From that point on APRS makes no use of Tripmate's RxD capability. The little manual that comes with it says that you can in your mapping program put an a long/lat for an initialization string which will speed up how fast it gets lock. Does anyone know the format for sending that data to a Tripmate?

72 de brian, n1bq

--
N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <http://www.wulfden.org/NVQS/>
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

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446. [aprssig] Re: eTrex nav screen query re Lat/Lon

From: "Byon Garrabrant" <byon@mail.com>
Date: Sun, 11 Feb 2001 20:48:02 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134546-2001.02.11-23.02.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11 Feb 2001, at 19:13, JD Erskine VA7JD wrote:

> I know the data is there in the NMEA string, however I'd really like
> to know where I am at any moment, land or sea, without having to get
> into the waypoint setup section. Is this something I or the manual
> have overlooked or has it been chucked out in favour of simplification
> of the display or a "higher end" ($$) model?

I found it difficult to find at first too, but it is easily accessible. Hit the PAGE button until your are on the pointer page, then hit the UP button until you are on the Location page, and you will see your current Lat/Long.

Byon

_____
Byon Garrabrant N6BG byon@mail.com

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447. [aprssig] Re: Magellan GPS Tracker?

From: RMckni8527@aol.com
Date: Mon, 12 Feb 2001 00:44:45 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134554-2001.02.11-23.59.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/11/01 8:18:05 AM Pacific Standard Time,
gerry@cs.tamu.edu writes:

> I've been told that the NMEA-0183 WG gets a big chunk of its working
> funds by selling copies of the document. Because of that, I support the
> concept of buying it. I'd prefer to see it on the Web, but instead, I
> suspect I'll scan it and add it to my private digital library.
>

It's unclear to me whether NMEA.ORG develops standards, or just accepts standards developed by the various members and incorporates them into the

next revision. NMEA's web site certainly doesn't indicate that they do anything other than publish $250 manuals thin enough to be used for placemats. If they DO research and promulgate standards, fine. But if the multi-million dollar GPS/NAV companies just feed them new standards to incorporate, I cannot support NMEA's greed. End users should have access to the standards without being raped. We just want to use the equipment, connect it and enjoy it's technology, not have to pay for a book to have access to needed information that's more than the device itself is worth!

And they make no distinction between the casual end user/hobbyist versus the big corporation. If a GPS manufacturer doesn't walk the thin line by providing their output strings in the users manual, then why should the consumer be expected to pay $250 to find out what they need to know to use the thing? That money goes a LONG WAY to buying a decent sextant - I don't know any organization that has copywritten the position of the stars!

Ray
Seattle

448. [aprssig] Re: Tracker Paths and TCP/IP

From: "Ron Francois" <Francois@talx.com>
Date: Sun, 11 Feb 2001 23:53:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134571-2001.02.12-00.09.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have found that in my situation, WINAPRS would not echo local RF data to tcp/ip if I was using the tnc in KISS mode. Change to just regular command line mode and it started working. go figure.

KØSTL

>>> Scott Thile <scott.thile@murraystate.edu> 2/11/01 5:40:27 PM >>>
Hi folks,

I'm a little new to APRS and brand new to tracker set ups, but I am having a blast with it.

I cannot seem to get my APRS base station to relay my tracker location out through TCP/IP to the internet. I'm not exactly sure what I'm doing wrong. The base station is tracking my tracker fine. My base station reports it's own position to the TCP/IP server fine, but it does not relay the other local VHF information, which includes my mobile tracker.

Here is my set up:
Base station is running WinAPRS through the AGW packet engine via the soundcard and interface to a VHF radio. That all seems to be working great. I am connected through TCP/IP to the internet APRS servers, and my base station data is uploaded, and downloaded fine, EXCEPT it does not echo the local VHF data to TCP/IP, and, I DO have "Feed (Echo) local data to TCP/IP" checked under the TCP server settings..

I have an Alinco DR-135TP and eTrex GPS set up as a tracker (K4SET-5), and it seems to be working fine as far as local VHF tracking goes. I have my path set to K4SET,WIDE,WIDE. (K4SET is my APRS base station.)

Shouldn't the base station by relaying me via TCP/IP to the internet servers? But the tracker doesn't show up there, even though the base station does, and the base station sees the tracker.

Any ideas? Do I need to change my tracker path, or something on WinAPRS's settings, or both?

Any help would be greatly appreciated, 73,
Scott, K4SET

Scott E. Thile, RPT
Piano and Instrument Technician

Department of Music, Murray State University
PO Box 9, Murray, KY 42071, Phone: 270-762-4396

Work Page: http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Ham Radio Page:
http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
Family Page: http://campus.murraystate.edu/staff/scott.thile/family/index.htm
Nickel Creek Page: http://www.nickelcreek.com/

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449. [aprssig] Re: Magellan GPS Tracker?

From: B Keyport <bkeyport@qwest.net>
Date: Sun, 11 Feb 2001 22:10:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134576-2001.02.12-00.25.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That money goes a LONG WAY to buying a decent sextant - I don't
know any organization that has copywritten the position of the stars!

Give 'em Time. If Amazon can copyright the idea of saving a user's
information for use in a future visit...

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450. [aprssig] Re: [Re: TCPIP paths]

From: Skip Allison <sallison@megsinet.net>
Date: Mon, 12 Feb 2001 00:29:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134580-2001.02.12-00.45.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

But I saw it on 2M - not via the internet. How would it get onto RF
from the internet. Igates only go from RF to internet - not the other
way. I drove from Chicago to Denver using R,W,W. I'm sure there were
igates along the way and my path only went as far as Iowa City.

Skip

Ron Francois wrote:
>
> Why would it need to get back to Chicago? We have Igates here in st louis. There is also one in
Springfield IL. Anyone of these stations hearing his packets would be sufficient.

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451. [aprssig] eTrex nav screen query re Lat/Lon

From: JD Erskine VA7JD <VA7JD@rac.ca>
Date: Sun, 11 Feb 2001 19:13:56 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134535-2001.02.11-21.28.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gang,

Just went through all the eTrex/Garmin msgs in my whole mail archives to
see if anyone talked about the eTrex navigation display.

I don't have one yet, have read the whole PDF users manual from Garmin,
looked at one at the boat show last wknd and was surprised that it didn't
appear to have a Nav screen which would display Lat/Lon or position data in
whatever grid you've selected. The salesman tried to sell me up to the
eTrex Summit.

I know the data is there in the NMEA string, however I'd really like to
know where I am at any moment, land or sea, without having to get into the
waypoint setup section. Is this something I or the manual have overlooked
or has it been chucked out in favour of simplification of the display or a
"higher end" ($$) model?

Thanks es 73 JD VA7JD@rac.ca   VA7OTC when on APRS   VE3/VE6OTC

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452. [aprssig] Tropo enhancement

From: OJ Lougheed <ojl@nerpa.net>
Date: Mon, 12 Feb 2001 17:07:56 +0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134585-2001.02.12-03.21.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm fairly new to the list, but this probably hasn't been talked about before

I'm a U.S. citizen living in Irkutsk, Siberia. Soon I will be moving to
Olkhon Island in the middle of Lake Baikal. I would like to start a "Radio
Sport Club" for the kids there. This would be good since there are no
telephones, the 1-11 grade school has about 300 students, who are in need
of connecting to the world and to other kids on Baikal.

Besides getting some kids licenced, I'm really interested in "tropo
enhancement" caused by the cool water of the Lake often overlayed with
warmer air. This given that Baikal gets more sunshine for the latitude (53
degrees) than anywhere else on the planet! And because the old soviet
central diesel plant is often in need of fuel - it's a great place for
photo-voltaics and windpower ;-)

So one of the first things is to set up a 2 meter APRS/PropNet
criss-crossing the Lake to do some studies. I am interested in
communicating with anyone with "over lake propagation" or general packet
experience. Most likely Great Lakes residents. If anyone would like to
share their experiences or learn more of things here, please send e-mail or
check out http://www.nerpa.net/ESO

73 to all,

O.J. Lougheed, ex-N5JXU

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453. [aprssig] Re: Make web maps for Lat/Long reports? Better maps?

From: Joe Foor <kf4dys@wfeca.net>
Date: Sun, 11 Feb 2001 22:13:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134542-2001.02.11-22.26.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WinAPRS used to include the utilities necessary to convert any map or
picture you can display, to a WinAPRS map. Using a satellite photo on
your website, for a map, might look neat.

regards,
Joe

At 04:30 PM 2/11/01 EST, you wrote:
>In a message dated 2/11/01 10:15:34 AM Pacific Standard Time,
>kf4sir@earthlink.net writes:
>
>>
>>Anybody know where I might get some better maps for WinAPRS?
>>
>>Does anybody know of a better way to do this?
>>
>
>
>If you have a friend who has one of the various electronic navigation
>programs, like The Cap'n, NavMaster, etc and has the electronic charts for
> The charts would be a far better
>solution when they are offshore, since WinAPRS charts don't show anything
>except land, but the charts will show depth contours and nav aids, as well

as
>any shipping lanes, etc, plus coastlines, major features like towers and
big
> This is a long shot, but they're the best medium for tracking
> If you can find the charts and need a way to display them, there
> Single electronic charts typically cost about
>$15 if you want to go that route.
>
>Good Luck
>Ray
>Seattle
>

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454. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: Gary Arnold <garnold@naples.net>
Date: Mon, 12 Feb 2001 09:13:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134605-2001.02.12-08.28.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's still automated. Dale resumed the data flow within a week of the shut
down. In answer to Bob's post...why would you apply a warning to the whole
state, when it involves a few counties in that state? If we're shooting for
that kind of accuracy, let's get rid of our GPSs and just say our positions
are close enough...they're within the state...

73

Bill Vodall wrote:

> > to
> > gather the pertinent data and transmit it for their respective areas.
>
> Silly question time.   Where do you gather the data?   Is this the
> info that was automated but has been discontinued?

--
Gary S. Arnold CEM/FPEM
Collier County Emergency Management
garnold@naples.net
Primary: http://www.collierem.org/
Mirror: http://www.colliergov.net/emergency/

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455. [aprssig] Re: [Re: TCPIP paths]

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Mon, 12 Feb 2001 08:14:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134607-2001.02.12-08.28.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>But I saw it on 2M - not via the internet. How would it get onto RF
>from the internet. Igates only go from RF to internet - not the other
>way. I drove from Chicago to Denver using R,W,W. I'm sure there were
>igates along the way and my path only went as far as Iowa City.

Not true, IGATES can gate to RF. The operators are just taking a risk in
doing that!

-----
gregg@c2-tech.com (C2 Technologies Inc)

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456. [aprssig] Handspring Visor pinouts needed

From: "Reynaldo M Fimbres" <sanfranpc@aol.com>
Date: Mon, 12 Feb 2001 9:16:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134615-2001.02.12-09.30.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

Now that the Visor Palm Style PIMS are out,
I could not resist blending my Visor with the rest
of my radio gear. APRS and other digital modes
really have got my interest. I have not recieved
any word from Handspring about the wherabouts of any
technical information such as schematics, serial port
pinouts,ect.

If you know where I can get information for the
Handspring Visor - PLEASE, let me know.

Thank you,
Sincerely,

Rey Fimbres kc6gaw@arrl.net

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457. [aprssig] Re: New WinAPRS Error message

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Sat, 10 Feb 2001 14:56:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-134617-2001.02.12-09.31.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 5:53 PM -0600 2/9/01, Jeff Brenton wrote:
>--- Quote ---
>EN|417347|||KC0BZZ|L||HAGIN, MATTHEW F|MATTHEW|F|HAGIN|||||312 S GREENE
>ST|ROCK RAPIDS|IA|512461423||||
>
>   Somewhere in that line is the "trigger" for an UHE. If only I had
>the knowledge to find it! But perhaps somebody on the list can spot it.
>--- end quote ---
>
>I think I know!!!!!
>
>Notice that this record has a 9-digit ZipCode; Search for ANY call sign with
>a 9-digit zip, and you get a UHE, and the dialog box shows the long zip
>only. Adjacent records, such as KC0BZT, that have 5-digit zips, are fine!
>
>It's probably a too-short buffer in the routine that returns the information
>from the database.
>

Thanks for the pointer, there were several issues when I looked at
this code including it just plain not working even if it did not
crash.

Thanks again for this very valuable debugging information.

Mark
--

Mark Sproul   http://ecs.rutgers.edu | msproul@jove.rutgers.edu
Manager - Engineering Computing Services | 732-445-3121
Eng B-124-C |

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458. [aprssig] Looking for a Dash Clip for thd7g

From: "Byron" <byrond@vesupply.com>
Date: Mon, 12 Feb 2001 10:13:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134619-2001.02.12-09.31.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any body on the sig ever use a cell phone mount for the thd7g. I would like to get one for my atv.

Have one in the van but it dosent hold it very well.

Any help would be appreciated.

Tnx
BYRON DEVINE
73 The real KB9LNC//

PS HI LEE

459. [aprssig] Big trip this weekend

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 08:32:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134622-2001.02.12-09.50.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I made a big drive this weekend, going from Clovis to San Antonio,
Freer, Kingsville, and Corpus Christi. Now, I have a couple of questions --

1. I found a few digis that just plain would NOT digi my tracker,
although they seemed to be repeating other stations' just fine. Notably,
between Snyder and Abilene. Any fixes on my end?

2. I tried to get my track from findu, but the track runs out just
southwest of Lubbock, when I was on the way back to Clovis. How do I get
more of a track? OR, what is that link again to get raw packets for the
past few days?

Thanks,
Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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460. [aprssig] Re: [Re: TCPIP paths]

From: Ken Brown <W2KB@compuserve.com>
Date: Mon, 12 Feb 2001 10:53:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134624-2001.02.12-10.07.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> Not true, IGATES can gate to RF. The operators are just taking a risk
in
doing that! <<

How do they select what stations to retransmit onto RF? The two meter 1200
baud channel could only have a small fraction of the Internet APRS traffic
sent on it.

---Ken   W2KB@ARRL.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

461. [aprssig] Re: Big trip this weekend

From: Gerry Creager <gerry@cs.tamu.edu>
Date: Mon, 12 Feb 2001 09:56:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134625-2001.02.12-10.10.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Did you appropriately apply for your vis to enter Texas? That coulda
been it;-)
--
Earl Needham wrote:
>
>   I made a big drive this weekend, going from Clovis to San Antonio,
> Freer, Kingsville, and Corpus Christi. Now, I have a couple of questions --
>
>   1. I found a few digis that just plain would NOT digi my tracker,
> although they seemed to be repeating other stations' just fine. Notably,
> between Snyder and Abilene. Any fixes on my end?
>
>   2. I tried to get my track from findu, but the track runs out just
> southwest of Lubbock, when I was on the way back to Clovis. How do I get
> more of a track? OR, what is that link again to get raw packets for the
> past few days?
--
Gerry Creager | Never ascribe to Malice that
AATLT | which can adequately be
Texas A&M University | explained by Stupidity.
979.458.4020 (Phone) | -- Lazarus Long
979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

462. [aprssig] Re: Magellan GPS Tracker?

From: Gerry Creager <gerry@cs.tamu.edu>
Date: Mon, 12 Feb 2001 10:04:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-134627-2001.02.12-10.20.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The NMEA organization has a number of working groups and committees that
do propose, investigate and publish standards. Their members are
representative of a cross-section of maritime electronics manufacturers,
user and developers.

>From what I can tell, it's not greed, it's an effort to keep costs down
for the organization, and a means of placing an entry bar at a low
level... but suitable as a first pass... to filter the nuts from
proposing to overrun the market with silly devices.

I don't believe they *EVER* anticipated a bunch of hams actually USING
their standard in the manner we are. And we're using it appropriately.
They're geared to work with business units, not hobbyists.

I don't see 'em as greedy, but maybe undereducated.

FWIW, the consumer was not ever envisioned as their end-user.

gerry
--
Gerry Creager | Never ascribe to Malice that
AATLT | which can adequately be
Texas A&M University | explained by Stupidity.
979.458.4020 (Phone) | -- Lazarus Long
979.847.8578 (Fax)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

463. [aprssig] APRS digi battery backup question

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Mon, 12 Feb 2001 11:17:32 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134631-2001.02.12-10.34.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

howdy folks:

        As I began to work on a new digi project for the coast, I ran into
something that I wanted to figure out and couldn't find the info.

        I have some UPS's that were donated for the project (the electricity is
unreliable at best) that have twin 22.4ah batteries. These are commercial
grade UPS that were pulled from Woolworth or some other department stores.

         I was trying to find out what the VA was for the UPS (that all UPS seem
to advertise these days) and wasn't sure of the formula to figure that out.
Can anyone shed some light on that for me?

...DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I????? ----------->>>>   http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com Scanning Tallahassee Florida
  +---+
  | Doug Ferrell   (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org   Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS   APRS 144.390 Mhz |
 | 3027.27N / 08420.80W Tallahassee Florida   131.8 CTCSS 444.400 Mhz |

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464. [aprssig] Forgot to mention...

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 09:51:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134638-2001.02.12-11.06.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On my trip to south Texas this weekend, I noticed a total lack of
stations south of Jourdanton, Texas. All the way from there to Kingsville,
I heard no other stations, save for an occasional packet that was too weak
to copy (suspected weak tropo or something). Finally, when I was in
Kingsville, I copied a few packets, all were some 80 miles southwest of
Kingsville -- somewhere down in the Rio Grande Valley. I don't recall
hearing anything at all in Corpus Christi, which really surprised me.

      Is there some activity down there, and I simply missed it?

      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

465. [aprssig] Re: Big trip this weekend

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 09:08:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134639-2001.02.12-11.09.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:56 AM 2/12/01 -0600, Gerry Creager blasted the following out into the
ether:
>Did you appropriately apply for your vis to enter Texas? That coulda
>been it;-)

Don't need it -- my birth certificate has Corpus Christi on it! I'me
a free citizen of Texas! <G>

Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

466. [aprssig] APRS digi battery backup question / UPS

From: pk@ij.net
Date: Mon, 12 Feb 2001 17:32:26 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134641-2001.02.12-11.48.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is some information to calculate the size of a UPS needed for a particular load.

Amps x Volts = VA

Both Amps and Volts can be found on the label either on the bottom or back of the
equipment.

If the usage is given in Watts (Identified by a W) then use the following formula:
Watts x 1.4 = VA

This gives you the mininum required VA but with radios its hard to compute the run-time
because the load is nowhere near constant (unlike computers.)   Check the UPS
manufacturer's page for more information on run-time.

Remember that some UPSs do not put out pure sine-wave AC output but more of a square-wave
output. This is fine for most computer devices but not neccessarily true in radios.

I have been meaning to install a UPS on my digi but haven't gotten around to it yet since
the power is quite reliable at the location.

73
Paul
N4PK

> >   I was trying to find out what the VA was for the UPS (that all UPS seem
> > to advertise these days) and wasn't sure of the formula to figure that out.
> > Can anyone shed some light on that for me?
> >

This message was sent using Panda Mail. Check your regular email account away from home
free! http://bstar.net/panda/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

467. [aprssig] Here you have, ;o)

From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
Date: Mon, 12 Feb 2001 12:14:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134647-2001.02.12-12.28.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi:
Check This!

468. [aprssig] e-mail "Dwayne Moffett"

From: Ray Vaughan <ray@rayvaughan.com>
Date: Mon, 12 Feb 2001 13:25:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Dwayne Moffett" <dmoffett@aaicontrols.com>
Message-ID: <LYR842-134648-2001.02.12-12.40.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Warning! I just got a .vbs file attached to a message from this sig from "Dwayne Moffett" <dmoffett@aaicontrols.com>. If you see this message, you just got the virus too. DELETE it right now. Do NOT run the attachment and you should be okay.

It appears Dwayne is running the virus (unknowingly) and it's sending the virus out to everyone in his address list. Needless to say, sending any .vbs is a no-no in a mailing list.

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469. [aprssig] Virus running

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 11:43:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134649-2001.02.12-12.59.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It appears there is another .vbs virus running around. It arrives as a message with the subject of "Here you have, ;o)". I just received it with the APRSSIG header in it. Don't open the attachment...

7 3
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath, you breathe...)

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470. [aprssig] Re: Here you have, ;o) Beware!! another Visual Basic Script virus!

From: WA8LMF1@aol.com
Date: Mon, 12 Feb 2001 14:11:59 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134652-2001.02.12-13.27.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/12/01 10:18:39 AM Pacific Standard Time,
This message sent to the list had another one of those notorious Visual Basic Scripting language viruses attached .....

dmoffett@aaicontrols.com writes:
<< Subj: [aprssig] Here you have, ;o)
Date: 2/12/01 10:18:39 AM Pacific Standard Time
From: dmoffett@aaicontrols.com (Dwayne Moffett)
Sender: bounce-aprssig-19038@lists.tapr.org
Reply-to: dmoffett@aaicontrols.com
To: aprssig@lists.tapr.org (TAPR APRS Special Interest Group)
>>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

471. [aprssig] APRS SIG VIRUS ALERT !!! VIRUS ALERT!!!

From: "Reynaldo M Fimbres" <sanfranpc@aol.com>
Date: Mon, 12 Feb 2001 13:17:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134654-2001.02.12-13.32.04--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

BEWARE Gentlemen,

Rey kc6gaw@arrl.net

Please Read--------------------

Subj: [aprssig] Here you have, ;o)
Date: 2/12/01 10:20:20 AM Pacific Standard Time
From: dmoffett@aaicontrols.com (Dwayne Moffett)
Sender: bounce-aprssig-22359@lists.tapr.org
Reply-to: dmoffett@aaicontrols.com
To: aprssig@lists.tapr.org (TAPR APRS Special Interest Group)

File: AnnaKournikova.jpg.vbs (2853 bytes) DL Time (274592 bps): < 1 minute

Hi:
Check This!

---------- Headers ----------
Return-Path: <bounce-aprssig-22359@lists.tapr.org>
Received: from rly-yb05.mx.aol.com (rly-yb05.mail.aol.com [172.18.146.5])
by air-yb04.mail.aol.com (v77_r1.21) with ESMTP; Mon, 12 Feb 2001 13:20:20
1900
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24]) by
rly-yb05.mx.aol.com (v77_r1.21) with ESMTP; Mon, 12 Feb 2001 13:20:04
-0500
Reply-To: <dmoffett@aaicontrols.com>
From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Here you have, ;o)
Date: Mon, 12 Feb 2001 12:14:56 -0600
Message-ID:
<LYR22359-134647-2001.02.12-12.28.23--sanfranpc#aol.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: multipart/mixed;
    boundary="----=_NextPart_000_0065_01C094ED.6991D9A0"
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
List-Unsubscribe: <mailto:leave-aprssig-842K@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-aprssig@lists.tapr.org>
List-Owner: <mailto:owner-aprssig@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <006401c0951f$b42c49a0$64c1c1c1@AAI100>
Sender: bounce-aprssig-22359@lists.tapr.org
Precedence: bulk

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

472. [aprssig] THANK YOU APRS SIG GROUP!!!!!

From: "Reynaldo M Fimbres" <sanfranpc@aol.com>
Date: Mon, 12 Feb 2001 13:22:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134659-2001.02.12-13.37.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you folks,

The url information that you folks have sent me has really been
a GREAT HELP!!!
In a manner of minutes and I was up and running my Palm type
Visor PIM on line and connected with a tnc.

Thank A BILLION !!!

rey kc6gaw@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

473. [aprssig] BEWARE APARS SIG GROUP VIRUS:dmoffett@aaicontrols.com writes

From: "Reynaldo M Fimbres" <sanfranpc@aol.com>
Date: Mon, 12 Feb 2001 13:45:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134662-2001.02.12-13.59.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WARNING!!!
DO NOT OPEN ANY MAIL FROM: dmoffett@aaicontrols.com

REY KC6GAW@ARRL.NET

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

474. [aprssig] Re: Handspring Visor pinouts needed

From: Karl Ulrich <k4lnx@arrl.net>
Date: Mon, 12 Feb 2001 10:38:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134623-2001.02.12-09.56.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rey,

Check out this link from the pocketAPRS website.

http://www.pocketaprs.com/faq.html#anchor409528

The 3rd paragraph down is about getting the Visor to work with pocketAPRS.

73,

Karl Ulrich
k4lnx@arrl.net

Reynaldo M Fimbres wrote:

> Hello,
>
> Now that the Visor Palm Style PIMS are out,
> I could not resist blending my Visor with the rest
> of my radio gear. APRS and other digital modes
> really have got my interest. I have not recieved
> any word from Handspring about the wherabouts of any
> technical information such as schematics, serial port
> pinouts,ect.
>
> If you know where I can get information for the
> Handspring Visor - PLEASE, let me know.
>
> Thank you,
> Sincerely,
>
> Rey Fimbres kc6gaw@arrl.net
>
> ---
> You are currently subscribed to aprssig as: k4lnx@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

475. [aprssig] Re: eTrex nav screen query re Lat/Lon

From: JD Erskine VA7JD <VA7JD@rac.ca>
Date: Sun, 11 Feb 2001 22:28:09 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-134582-2001.02.12-01.14.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 20:48 11/02/01 -0800, Byon Garrabrant wrote:
>I found it difficult to find at first too, but it is easily accessible. Hit
>the PAGE button until your are on the pointer page, then hit the UP
>button until you are on the Location page, and you will see your
>current Lat/Long.
>
>Byon
>_____________________________________
> Byon Garrabrant   N6BG   byon@mail.com

>Yes, it will do this. I assume you meamt that you want a display of the Lat
>and Lon in a numerical form...
>73,
>Stephen
>W3SMK

Thanks folks, yes I was trying to say I wished(hoped) for a numerical
readout, so I could plot on a paper chart say. It's also a relief to find
one doesn't have to take too many steps to get the info. The manual is
overly friendly to the point of almost useless cutsieness. Another
manufacturer of a LORAN C Rx/chart plotter I was working with used the
"pages" description however they broke it down by "chapters". Technical
writing, like other writing for effective communication is not as simple as
we think :{D

73 JD VA7JD@rac.ca

John D. Erskine

     Young friends and old whisky are burning inside" Stan Rogers
                           Victoria, BC, Canada
Victoria Nautical Song Circle   http://victoria.tc.ca/culture/vnsc
Victoria Marine Rescue Soc./Cdn. Coast Guard Aux Unit 35(Victoria)
http://www.vrms.org/   mailto:jd@rescueteam.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

476. [aprssig] Re: BEWARE APARS SIG GROUP VIRUS:dmoffett@aaicontrols.com writes

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 12 Feb 2001 13:11:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134670-2001.02.12-14.26.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's a wee bit over the top. No need to shout or go ballistic on this,
let alone on Dwayne's emails.

The attachement is the culprit. Just don't try to 'view' the supposed
JPG by opening it - you'll be fine. If you can't see the .vbs at the end
of the attachment's filename, then likely you're running your Win9x+ OS
with the option to hide known file extensions. (Windows Explorer > Tools
> Folder Optoins > View - uncheck 'Hide file extensions for known file types' - east in Win2K).

Of course, if you've setup your mail client to automaticly open and
display attachements, well - you get what you ask for. (VERY bad idea)

More info on thie 'new' worm is up at:
http://www.messagelabs.com/viruseye/
and
http://www.messagelabs.com/viruseye/report.asp?id=48

This one is the VBS/SST worm. Do expect to see more of it and it's ilk.

Questions? Comments? Requests for or offers of tips? Take it off the SIG
please.

Remember - practice safe computing!

Obline:
Mmm, wonder if anyone's thaught of building an email worm that sends
it's posistion back to findu - everytime it finds a new host. Might make
for some scary look'n maps!

73

Reynaldo M Fimbres wrote:
>
> WARNING!!!
> DO NOT OPEN ANY MAIL FROM: dmoffett@aaicontrols.com
>
> REY KC6GAW@ARRL.NET
>
> ---
> You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               | CARC Repeater 146.640 |       DN62uu        |
               |    ICQ/ICU# 82711454  | eGroups.com/RM-APRS |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               +++++++++++++++++++++++++++++++++++++++++++++++
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

477. [aprssig] Virus Detection didn't work

From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
Date: Mon, 12 Feb 2001 13:50:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134671-2001.02.12-14.45.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I am
switching to Mcaffee and also excluding all attachments with a .vbs
extension as an attachment.

If you have not opened this email then deleted it. It has an attachment of
ANNAKOUR.JPG.VBS attached. I received from someone that I trust, etc.

M. Dwayne Moffett, President
American Automation, Inc.
PO Box 37
Pryor, Ok 74362

(918) 825-7241 Voice
(918) 825-7905 Fax
[Attachment: winmail.dat; application/ms-tnef; 1,716 bytes]

478. [aprssig] mapfix40 question

From: "Michael Francoeur" <n1naf@mint.net>
Date: Mon, 12 Feb 2001 06:35:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134586-2001.02.12-05.48.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody out there have a compiled version of this program? I've download a
few BASIC compilers off the web, but they don't like the Quick BASIC
program. I'm also pressed for time and not into rewriting the program - (I
get enough of that during my day job ;-)

If anyone has a compiled version or has taken the time to rewrite the code,
please email to me.

- Thanks in advance

Mike/N1NAF

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

479. [aprssig] RE: Tracker Paths and TCP/IP

From: "Scott E. Thile" <scott.thile@murraystate.edu>
Date: Mon, 12 Feb 2001 10:29:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134634-2001.02.12-10.43.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmmm,

>At 07:15 PM 2/11/01 -0500, Mark/NiNAF wrote:
>I've just recently started experimenting with AGWPE and WinAPRS myself and
>noticed the same behavior. It seems that WinAPRS treats the AGPWE soundcard
>as a TCP/IP port and therefore doesn't retransmit the information back to
>TCP/IP.
>
>This sounds like a good question for Mark.

Yes, I thought it might be something like that too since AGWPE is also
using TCP/IP. I have not registered my version of WinAPRS though and Dan
mentioned that:

>If I remember right, the Igate function only works if WinAprs is registered.
>I may be wrong and I don't know if yours is registered or not. Just a
>suggestion.
>I have 4 versions of Aprs registered and still like WinAprs the best. I
>don't however use AGW.
>73 de Dan

So that could be my problem too. Is Mark on the list here? If so, Hi and
thanks for a great program, any insights? I will be registering my version
of WinAPRS if I can get it to work with the AGWPE set up on VHF, and still
forward the RF data out via the Igate.

Also, Ron mentioned that it might have to do with the KISS mode, and I'm
thinking that the AGWPE is using KISS type commands as well, even though it
is communicating them through TCP/IP to do it. Could that be it?

I am new enough to this that I may just have something set up wrong too,
but it sounds like others using either KISS, AGWPE, (or maybe just
unregistered versions?) are also having problems with Igate forwarding of
the RF info. I really need to get WinAPRS to forward my tracker into the
Igate somehow if at all possible, and I really like using the AGWPE because
I don't have another dedicated TNC for the base station.

Thanks to Dan, Mike, and Ron for responding. Sure am having fun with all this.

73,
Scott, K4SET

-----My Original Message-----
>Hi folks,
>
>I'm a little new to APRS and brand new to tracker set ups, but I am having
>a blast with it.
>
>I cannot seem to get my APRS base station to relay my tracker location out
>through TCP/IP to the internet. I'm not exactly sure what I'm doing wrong.
>The base station is tracking my tracker fine. My base station reports it's
>own position to the TCP/IP server fine, but it does not relay the other
>local VHF information, which includes my mobile tracker.
>
>Here is my set up:
>Base station is running WinAPRS through the AGW packet engine via the
>soundcard and interface to a VHF radio. That all seems to be working great.
>I am connected through TCP/IP to the internet APRS servers, and my base
>station data is uploaded, and downloaded fine, EXCEPT it does not echo the
>local VHF data to TCP/IP, and, I DO have "Feed (Echo) local data to TCP/IP"
>checked under the TCP server settings..
>
>I have an Alinco DR-135TP and eTrex GPS set up as a tracker (K4SET-5), and
>it seems to be working fine as far as local VHF tracking goes. I have my
>path set to K4SET,WIDE,WIDE. (K4SET is my APRS base station.)
>
>Shouldn't the base station by relaying me via TCP/IP to the internet
>servers? But the tracker doesn't show up there, even though the base
>station does, and the base station sees the tracker.
>
>Any ideas? Do I need to change my tracker path, or something on WinAPRS's
>settings, or both?

Scott E. Thile, RPT
Piano - Instrument Technician

Murray State University, Murray, KY
mailto:scott.thile@murraystate.edu
(Work Website) http://campus.murraystate.edu/staff/scott.thile/index.html
(Ham Radio Website)
http://campus.murraystate.edu/staff/scott.thile/k4set/index.html
(Family
Website) http://campus.murraystate.edu/staff/scott.thile/family/index.htm
(Nickel Creek Website) http://www.nickelcreek.com/

480. [aprssig] Re: APRS digi battery backup question

From: Robbie Robertson <mwrobertson@mediaone.net>
Date: Mon, 12 Feb 2001 10:36:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134636-2001.02.12-10.51.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doug Ferrell wrote:
>
>   I was trying to find out what the VA was for the UPS (that all UPS seem
> to advertise these days) and wasn't sure of the formula to figure that out.
> Can anyone shed some light on that for me?
>
> ...DOUG
> kd4moj

This may be a little help Doug, but I have gone to the mfg.
web page with the model number, which also may indicate the
VA of your unit. Most mfg. of these units are still around..

73!

- Robbie Robertson -
...-.- wa9inf ...-.-

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481. [aprssig] Re: [Re: TCPIP paths]

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 12 Feb 2001 12:49:30 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134674-2001.02.12-15.04.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >> Not true, IGATES can gate to RF>
> How do they select what stations to retransmit onto RF? The two meter 1200
> baud channel could only have a small fraction of the Internet APRS traffic
> sent on it.
>
> ---Ken   W2KB@ARRL.net

In aprsd:

  GATE2RF W* A* K* N* V*

That gates out all the US and Canadian stations. Austrailia comes
along for the ride.

All the Puget Sound APRS traffic plus the US and V* messages and corresponding
position packets takes about 3% of a 9600 baud repeater systems bandwidth.

This would not be a good thing to do on an already busy 1200 baud channel.

Bill - WA7NWP

_____
Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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482. [aprssig] Re: DO NOT OPEN EMAIL ENTITLED "HERE YOU HAVE, ;)"

From: B Keyport <bkeyport@qwest.net>
Date: Mon, 12 Feb 2001 12:53:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: nwaprssig@nwaprs.org, aprssig@tapr.org
Message-ID: <LYR842-134677-2001.02.12-15.08.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Northwest Automatic Position Reporting System SIG Mailing List
>---
>If you see an email in your inbox called:
>
>Here You Have, ;)
>
>DO NOT OPEN IT OR THE ATTACHMENT. Per the NatAPRSsig, it contains a .vbs
>virus. Delete it without opening or downloading attachment.

PS: the email clients that are affected by said virus, do not require
you to open the virus email, or open the virus. Same old story,
patches not applied.

We're hams people, we're supposed to be ahead of the curve - Then
again, we're unable to set our computer clocks (Sprouls, etc).

why do I get the impression of a whole group of hams with 12:00
flashing on their betamax tape players? (kidding)

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483. [aprssig] Looking for a Dash Clip for thd7g

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 12 Feb 2001 14:55:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134681-2001.02.12-15.12.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have you looked at the RAM mount for the TD-D7?   Anyone with this mount
care to comment? I'd like to hear about it.

I believe the part number is RAM-B-138-KE1

Mark
KC7BXS

At 09:13 AM 2/12/01, Byron wrote:
>Any body on the sig ever use a cell phone mount for the thd7g. I would
>like to get one for my atv.
>
>Have one in the van but it dosent hold it very well.
>

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484. [aprssig] RE: Looking for a Dash Clip for thd7g

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Mon, 12 Feb 2001 15:08:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134683-2001.02.12-15.23.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

check out http://www.ram-mount.com/hamradio.htm

> -----Original Message-----
> From: Mark Fellhauer [mailto:sparkfel@primenet.com]
> Sent: Monday, February 12, 2001 3:55 PM
> To: TAPR APRS Special Interest Group

> Subject: [aprssig] Looking for a Dash Clip for thd7g
>
>
>
> Have you looked at the RAM mount for the TD-D7? Anyone with
> this mount
> care to comment? I'd like to hear about it.
>
> I believe the part number is RAM-B-138-KE1
>
> Mark
> KC7BXS
>
> At 09:13 AM 2/12/01, Byron wrote:
> >Any body on the sig ever use a cell phone mount for the
> thd7g. I would
> >like to get one for my atv.
> >
> >Have one in the van but it dosent hold it very well.
> >
>
>
> ---
> You are currently subscribed to aprssig as: stan_horzepa@adc.com
> To unsubscribe send a blank email to
> leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
>

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485. [aprssig] Re: Virus Detection didn't work

From: "Ben Miller" <benm@uniplex.com>
Date: Mon, 12 Feb 2001 15:16:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134684-2001.02.12-15.25.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dwayne (and SIG),

McAfee probably wouldn't have done any better, they just added that virus to
their know viruses this morning. And I've had bad luck with McAfee as well.
I don't know that one is any better than the other.

My two cents.

Ben Miller
KC5NFU
Vice President - Rockwall Amateur Radio Club
Rowlett Texas RACES Weather Officer

----- Original Message -----
From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 1:50 PM
Subject: [aprssig] Virus Detection didn't work

> Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I am
> switching to Mcaffee and also excluding all attachments with a .vbs
> extension as an attachment.
>
> If you have not opened this email then deleted it. It has an attachment
of
> ANNAKOUR.JPG.VBS attached. I received from someone that I trust, etc.
>
>
> M. Dwayne Moffett, President
> American Automation, Inc.
> PO Box 37
> Pryor, Ok 74362
>
> (918) 825-7241 Voice
> (918) 825-7905 Fax
>

>
>

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486. [aprssig] Re: [Re: TCPIP paths]

From: "Keith Maton" <feeklist@btinternet.com>
Date: Mon, 12 Feb 2001 21:20:34 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134688-2001.02.12-15.35.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's pretty simple, Ken.

I use NETACTIVE by G7OCW (http://welcome.to/uiview) which monitors who is
currently exchanging messages via the igate and enables them to beacon out
to RF. UI-View is set to gate one packet every three minutes, so there's
not a huge level of traffic, but what there is is at least active. It's
nicely dynamic as well.

As far as I see, no risk involved. In fact, it's well controlled.

73
Keith
--
Keith Maton, G6NHU
feek@bigfoot.com
Visit http://www.mb7uiv.co.uk, home of the first licenced APRS gateway in
the UK.
   - Careful with that Axe

-----Original Message-----
From: bounce-aprssig-20164@lists.tapr.org
[mailto:bounce-aprssig-20164@lists.tapr.org]On Behalf Of Ken Brown
Sent: 12 February 2001 15:53
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: [Re: TCPIP paths]

>> Not true, IGATES can gate to RF. The operators are just taking a risk
in
doing that! <<

How do they select what stations to retransmit onto RF? The two meter 1200
baud channel could only have a small fraction of the Internet APRS traffic
sent on it.

---Ken   W2KB@ARRL.net

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487. [aprssig] Re: DO NOT OPEN EMAIL ENTITLED "HERE YOU HAVE, ;)"

From: Charles Layno <clayno@nc-cap.org>
Date: Mon, 12 Feb 2001 16:25:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       nwaprssig@nwaprs.org, aprssig@tapr.org
Message-ID: <LYR842-134689-2001.02.12-15.40.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> We're hams people, we're supposed to be ahead of the curve - Then
> again, we're unable to set our computer clocks (Sprouls, etc).
>
> why do I get the impression of a whole group of hams with 12:00
> flashing on their betamax tape players? (kidding)

Well speak for yourself! :) I had a Sony Betamax in 1984 and when it died
in 1989 (Hurricane Hugo) I kept the tapes. A friend of mine gave me 2 worn
out Betamax's two years ago. And you know what? Those old machines STILL
have better video play back today with worn out heads and 15+ year old

tape than my new 2 month old Sony HI-FI VHS I bought to record The
Sopranos when my old VHS deck died (the one I bought to replace the
Beatamax)! And yes one of them do flash 12:00 because the timning circut
is bad and you can't set the time. The other keeps great time!

Charles Layno
W4CL

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488. [aprssig] DeLorme - Customer Service for dead Tripmate

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Mon, 12 Feb 2001 16:35:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134691-2001.02.12-15.49.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well the re was little question that one of my Tripmates was
dysfunctional. I called the 800 Customer Service line and you find out
that Customer Service cannot give RA's (return authorizations) for the
reconditioned Tripmates. They will take your name and phone number and
pass it to their Tech Support number (or you can call Tech Support on a
non-toll-free number). The lady from Tech Support called me back inside
of 30 minutes. She took my name and address and is sending the
replacement out today along with a prepaid return shipping label for the
defective unit ... all things considered, pretty good service.

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489. [aprssig] Re: Virus Detection didn't work

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 14:44:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134692-2001.02.12-16.12.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:50 PM 2/12/01 -0700, Dwayne Moffett blasted the following out into
the ether:

>Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I am
>switching to Mcaffee and also excluding all attachments with a .vbs
>extension as an attachment.

      Shucks, no reason to blame Norton. As automatic as things can be,
they still rely on a bit of knowledge being in place already. I thought we
all knew that a .vbs extension meant doom...

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

490. [aprssig] RE: Looking for a Dash Clip for thd7g

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 12 Feb 2001 15:56:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-134693-2001.02.12-16.13.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:08 PM 2/12/01, Horzepa, Stan wrote:

>check out http://www.ram-mount.com/hamradio.htm

The problem with the web site is that it doesn't show the mount or even
mention it. Doing a search for it gives an error.   I was kinda hoping
someone that owns the mount would actually be able to give us a
review.   RAM does make mounts specifically designed for ATV use, too.

Mark

PS: the Anna Kournikova worm/virus has made it to CNN already.

http://www.cnn.com/2001/TECH/internet/02/12/anna.worm/index.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

491. [aprssig] Kenwood settings?

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 15:06:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134697-2001.02.12-16.22.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A good friend of mine has just purchased a Kenwood D-700A, and is
having a bit of a problem getting it to operate with his GPS. What "mode"
does the 700A need to be in for everything to work? If only I had one...

      Thanks all,
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

492. [aprssig] Re: Virus - Symantec site updated

From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
Date: Mon, 12 Feb 2001 19:41:26 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134700-2001.02.12-16.56.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Symantec viruses database updated:
http://www.symantec.com/avcenter/defs.download.html

73!
Alex, PT2VHF
BRAZIL

----- Original Message -----
From: "Earl Needham" <KD5XB@AMSAT.ORG>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 6:44 PM
Subject: [aprssig] Re: Virus Detection didn't work

At 12:50 PM 2/12/01 -0700, Dwayne Moffett blasted the following out into
the ether:

>Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I am
>switching to Mcaffee and also excluding all attachments with a .vbs
>extension as an attachment.

Shucks, no reason to blame Norton. As automatic as things can be, they still rely on a bit of knowledge being in place already. I thought we all knew that a .vbs extension meant doom...

7 3
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath, you breathe...)

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493. [aprssig] Re: Here you have, ;o) -- another Visual Basic Script virus

From: WA8LMF1@aol.com
Date: Mon, 12 Feb 2001 18:02:35 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134701-2001.02.12-17.17.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/12/01 11:48:00 AM Pacific Standard Time, molou@big-river.net writes:

<< what did you use to find it?
My McAfee did nothing.

John, NØAJF >>

The AOL mail client clearly displays the entire file name of the attached file INCLUDING the attachment with the unmistakable .VBS extension (The file was disguised as a picture with the name "AnnaKournikova.jpg.vbs". People using Outlook Express set to Microsoft's idiotic default of suppressing the extensions on file names thought it was just a photo...)

Stephen H. Smith
Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

| Radio Communications Systems Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping & Radio Coverage Surveys
| File Conversions MS-Windows Setups VISCII Fonts
|---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

494. [aprssig] Re: Virus Detection didn't work

From: "jim scott" <db3003@dragonbbs.com>
Date: Mon, 12 Feb 2001 18:05:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134702-2001.02.12-17.20.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i wonder if it would be a good idea to remove the sig from the outlook address book. at least that way when these bugs, that latch onto the list of addresses contained within the book, will not blast out a replicated virus to the entire sig! might kinda stop the chain reaction.

my two cents
jim scott
n8orj

----- Original Message -----
From: "Earl Needham" <KD5XB@AMSAT.ORG>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 4:44 PM
Subject: [aprssig] Re: Virus Detection didn't work

> At 12:50 PM 2/12/01 -0700, Dwayne Moffett blasted the following out into
> the ether:
>
> >Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I
am
> >switching to Mcaffee and also excluding all attachments with a .vbs
> >extension as an attachment.
>
>   Shucks, no reason to blame Norton. As automatic as things can be,
> they still rely on a bit of knowledge being in place already. I thought
we
> all knew that a .vbs extension meant doom...
>
>   7 3
>   Earl
>
>
> Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
> Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)
>
> Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
> you breathe...)
>
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

495. [aprssig] .vbs Virus.

From: "Gary V. Smith" <gvsmith@skyenet.net>
Date: Mon, 12 Feb 2001 18:16:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134703-2001.02.12-17.32.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello List Members.

My McAfee (Virus Definition 4.0.4114, a/o 1/3/01) caught it and killed it
while it was downloading. It is one thing to have an anti-virus
program. The important thing is to keep it up to date.

Good luck.

73,
Gary - KD6RXT
Dowagiac, MI

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

496. [aprssig] Re: eTrex nav screen query re Lat/Lon

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 07:12:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134614-2001.02.12-09.12.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:13 PM 2/11/01 -0800, JD Erskine VA7JD blasted the following out into
the ether:
><snip>
>I know the data is there in the NMEA string, however I'd really like to
>know where I am at any moment, land or sea, without having to get into the
>waypoint setup section. Is this something I or the manual have overlooked
>or has it been chucked out in favour of simplification of the display or a
>"higher end" ($$) model?

      Well -- you COULD build a HamHUD and put the pos on line 2...

      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

497. [aprssig] Re: Virus Detection didn't work

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 12 Feb 2001 16:37:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134705-2001.02.12-17.51.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Better idea would be to simply disable attachments on the SIG at the
server. Use the common point for control.

73

jim scott wrote:
>
> i wonder if it would be a good idea to remove the sig from
> the outlook address book.
>

--
               /\
               | CARC Repeater 146.640 | DN62uu |
               | ICQ/ICU# 82711454 | eGroups.com/RM-APRS |
               | "The Dungeon" at http://go.to/KC7ZRU |
               ++

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

498. [aprssig] Re: .vbs Virus. (Info on the virus)

From: WA8LMF1@aol.com
Date: Mon, 12 Feb 2001 18:37:18 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134706-2001.02.12-17.51.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is the latest info on this virus from the Symantic AntiVirus Research
Center (SARV/Norton AntiVirus) website as of just a few hours ago:

VBS.SST@mm
Discovered on: February 12, 2001
Last Updated on: February 12, 2001 at 01:47:42 PM PST

VBS.SST@mm is a VBS email worm that has been encoded using a virus creation
kit. The worm arrives as an attachment named AnnaKournikova.jpg.vbs When

executed, the worm emails itself to everyone in your Microsoft Outlook book.
On January 26, the worm will attempt to direct your Web browser to an
Internet address located in The Netherlands.

This worm appears to have originated in the Netherlands

Also Known As: VBS.Lee-o, VBS.OnTheFly

Category: Worm

Infection Length: 2853

Virus Definitions: February 12, 2001

VBS.SST@mm
Discovered on: February 12, 2001
Last Updated on: February 12, 2001 at 01:47:42 PM PST

VBS.SST@mm is a VBS email worm that has been encoded using a virus creation
kit. The worm arrives as an attachment named AnnaKournikova.jpg.vbs When
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On January 26, the worm will attempt to direct your Web browser to an
Internet address located in The Netherlands.

This worm appears to have originated in the Netherlands

Also Known As: VBS.Lee-o, VBS.OnTheFly

Category: Worm

Infection Length: 2853

Virus Definitions: February 12, 2001

Number of infections: 50 - 999
Number of sites: More than 10
Geographical distribution: High
Threat containment: Easy
Removal: Easy
Damage:

Payload Trigger: January 26
Payload: Directs Web browser to an Internet address in The Netherlands.
Distribution:

Subject of email: Here you have, ;o)
Name of attachment: AnnaKournikova.jpg.vbs
Size of attachment: 2853

Technical description:

When run the worm creates the registry key:

HKEY_CURRENT_USER\Software\OnTheFly

If the day is January 26, the worm attempts to direct your Web browser to an
Internet address in The Netherlands.

Next, it checks to see if the mass-mailing routine has been executed. If not,
the worm emails everyone in your Microsoft Outlook address book and creates
the registry key:

HKEY_CURRENT_USER\Software\OnTheFly\mailed

This prevents the mail routine from running again.

The subject, body, and attachment sent by the worm are as follows:

Subject: Here you have, ;o)

Message body: Hi: Check This!

Attachment:

AnnaKournikova.jpg.vbs

The worm then remains running, and if it is deleted, it attempts to recreate
itself. Due to a bug in the code, the worm instead recreates itself as a
zero-byte file.

Removal instructions:

Delete all found infections. If exists, delete the zero-byte file.
Remove the following registry keys:

HKEY_CURRENT_USER\Software\OnTheFly
HKEY_CURRENT_USER\Software\OnTheFly\mailed

SARC (Norton Antivirus) Write-up by: Eric Chien and Neal Hindocha

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

499. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 12 Feb 2001 14:57:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134666-2001.02.12-14.12.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 12 Feb 2001, Gary Arnold wrote:

> It's still automated. Dale resumed the data flow within a week of the shut
> down. In answer to Bob's post...why would you apply a warning to the whole
> state, when it involves a few counties in that state? If we're shooting for
> that kind of accuracy, let's get rid of our GPSs and just say our positions
> are close enough...they're within the state...

For the example given, I was under the impression that every county in
the small states Rhode Island and or maybe Deleware was included... I
would hope no one would use something that did not apply in his case...

bob

>
> 73
>
> Bill Vodall wrote:
>
> > > to
> > > gather the pertinent data and transmit it for their respective areas.
> >
> > Silly question time.   Where do you gather the data?   Is this the
> > info that was automated but has been discontinued?
>
> --
> Gary S. Arnold CEM/FPEM
> Collier County Emergency Management
> garnold@naples.net
> Primary: http://www.collierem.org/
> Mirror: http://www.colliergov.net/emergency/
>
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org

To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

500. [aprssig] Re: Virus Detection didn't work

From: "Travis J. Maclay" <travis@btea.org>
Date: Mon, 12 Feb 2001 19:26:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134710-2001.02.12-18.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why not just setup the listserv so that it doesn't accept attachments? Are
attachments needed? common?

Just two more cents,
Travis

----- Original Message -----
From: "jim scott" <db3003@dragonbbs.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 6:05 PM
Subject: [aprssig] Re: Virus Detection didn't work

> i wonder if it would be a good idea to remove the sig from
> the outlook address book. at least that way when these bugs, that latch
> onto the list of addresses contained within the book, will not blast out
a
> replicated virus to the entire sig! might kinda stop the chain reaction.
> my two cents
> jim scott
> n8orj

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

501. [aprssig] Re: DO NOT OPEN EMAIL ENTITLED "HERE YOU HAVE, ;)"

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 12 Feb 2001 19:40:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <nwaprssig@nwaprs.org>, <aprssig@tapr.org>
Message-ID: <LYR842-134711-2001.02.12-18.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can I ask what you're talking about?

I got the virus sent to me.

I didn't open the email (I never open stuff like that anyway)

I am NOT infected. (At least, as far as I can tell...)

Mike

> >DO NOT OPEN IT OR THE ATTACHMENT. Per the NatAPRSsig, it contains a
.vbs
> >virus. Delete it without opening or downloading attachment.
>
> PS: the email clients that are affected by said virus, do not require
> you to open the virus email, or open the virus. Same old story,
> patches not applied.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

502. [aprssig] RE: " HamContact; MEGA Station AC " Order

From: WA4TKGMatt@aol.com
Date: Mon, 12 Feb 2001 15:42:12 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134672-2001.02.12-14.56.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just in Time for Hurricane Season:

Thank you for your online order. The Mega Station AC is out of stock.
We are in the process of replacing the unit with a new Mega Station.
The new unit will probably be strictly a power supply (no inverter-
though we do sell inverters separately). The price has not yet been
decided on. The new Mega Station should be available in the next two
weeks. If you wish, we would be glad to let you know when the new unit
arrives and pricing. Please let us know how you wish to proceed.
Best Wishes,

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

503. [aprssig] Re: Big trip this weekend

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 09:37:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134718-2001.02.12-20.13.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:32 AM 2/12/01 -0700, Earl Needham blasted the following out into the
ether:
><snip>
>   2. I tried to get my track from findu, but the track runs out just
> southwest of Lubbock, when I was on the way back to Clovis. How do I get
> more of a track? OR, what is that link again to get raw packets for the
> past few days?

      Found it, y'all. Thanks anyway.
      The link is
http://www.findu.com/cgi-bin/rawposit.cgi?call=kd4rdb-14&start=24&length=24
to get info for kd4rdb-14 that starts 24 hours ago and runs for 24
hours. You can change the callsign, and the hour figures as desired.

      7 3
     Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

504. [aprssig] Re: DO NOT OPEN EMAIL ENTITLED "HERE YOU HAVE, ;)"

From: "Jeff Brenton" <jeffb@espi.com>
Date: Mon, 12 Feb 2001 19:54:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134719-2001.02.12-20.18.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> the email clients that are affected by said virus, do not require
> you to open the virus email, or open the virus.

THAT depends upon your level of paranoia, actually!

I have OutOfLuck Express set to consider all email to have the same
execution privileges of my most restrictive internet "zone". And that zone
(Internet Options->Security->Restricted zone) is set to not allow ANYTHING
to run... don't even ask!

Of course, if I could, I'd tell Outlook to treat HTML as text, because
spammers can track whether or not their email reached a target by encoding
links in graphics.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never

done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

505. [aprssig] Now that we've gotten off topic... Update

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 12 Feb 2001 20:05:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134720-2001.02.12-20.20.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I should have added that it's not Belarc. Notice I said that not only does
it look at your hardware and software it also suggests updates for them and
even looks for shareware updates.   Although Belarc is a nice utility, it
does not do this.   And it is not Oil Change or PC Pitstop either....

73,

Mark

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

506. [aprssig] Retraction Re: dmoffet@aaicontrols.com

From: "Rey Fimbres KC6GAW" <sanfranpc@aol.com>
Date: Mon, 12 Feb 2001 15:18:46
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134686-2001.02.12-15.33.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you Dwayne,

These things do happen.

73's and thank you for being an honerable person.

Beware of vbs extensions, "I like trappin them lil buggers"

Sincerely
Rey

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

507. [aprssig] Re: Virus Detection didn't work

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Mon, 12 Feb 2001 15:00:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134696-2001.02.12-16.17.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

trusr or untrusted , the way the code is in these little buggers is they
look at your address book and contact list and have fun , after the i love
you , any message that hits exchange with any script gets nuked. end
statment
----- Original Message -----
From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 12:50 PM
Subject: [aprssig] Virus Detection didn't work

> Sorry about the ANAKOUR.VBS virus. My NORTON virus detector FAILED. I am
> switching to Mcaffee and also excluding all attachments with a .vbs

> extension as an attachment.
>
> If you have not opened this email then deleted it. It has an attachment
of
> ANNAKOUR.JPG.VBS attached. I received from someone that I trust, etc.
>
>
> M. Dwayne Moffett, President
> American Automation, Inc.
> PO Box 37
> Pryor, Ok 74362
>
> (918) 825-7241 Voice
> (918) 825-7905 Fax
>
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

508. [aprssig] Re: Kenwood settings?

From: "Ben Miller" <benm@uniplex.com>
Date: Mon, 12 Feb 2001 21:32:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134729-2001.02.12-21.40.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl,

Good to have a native Texan back to visit! :-)

Assuming the GPS is hooked up correctly to the D700, you need to tell it to
use NMEA or NMEA-96 in the APRS menu. When you enable the TNC on the D700
it should read it in APRS mode or pass it through in packet mode (i.e., for
WinAPRS or other client).

Ben Miller
KC5NFU
Vice President - Rockwall Amateur Radio Club
Rowlett Texas RACES Weather Officer

----- Original Message -----
From: "Earl Needham" <KD5XB@AMSAT.ORG>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 4:06 PM
Subject: [aprssig] Kenwood settings?

>
>   A good friend of mine has just purchased a Kenwood D-700A, and is
> having a bit of a problem getting it to operate with his GPS. What "mode"
> does the 700A need to be in for everything to work? If only I had one...
>
>   Thanks all,
>   Earl
>
>
> Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
> Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)
>
> Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
> you breathe...)
>
>
> ---
> You are currently subscribed to aprssig as: benm@uniplex.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

509. [aprssig] Re: Virus Detection didn't work

From: "Richard A. Blank" <wb3bsa@arrl.net>
Date: Mon, 12 Feb 2001 22:45:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134730-2001.02.12-21.59.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My Norton AV caught it. My Virus defs are up to date, with todays download of the most current defs available from Symantec. Everyone may want to run a daily scan and check for updates every other day for a couple of weeks just to stay on the safe side.

73, Rick WB3BSA

510. [aprssig] Virus Question.

From: "Gary V. Smith" <gvsmith@skyenet.net>
Date: Tue, 13 Feb 2001 00:01:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134738-2001.02.12-23.17.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

Concerning the discussion about the .vbs virus, I sent a message earlier saying that my McAfee caught and killed the virus during downloading. However, someone in the thread mentioned that this particular type of virus will activate without "opening" the attachment. Is this true? Mention was also made that it will attach itself to every entry in the Microsoft Outlook address book. I don't use Outlook and never have on this computer, even though it is installed from the OEM bundle. I have always used Eudora. Is there any immunity factor by using something other that Outlook?

Thanks.

73,
Gary - KD6RXT
Dowagiac, MI

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

511. [aprssig] Re: Now that we've gotten off topic... Update

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 12 Feb 2001 21:36:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134739-2001.02.12-23.23.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:05 PM 2/12/01 -0600, Mark Fellhauer blasted the following out into the ether:
>I should have added that it's not Belarc. Notice I said that not only
>does it look at your hardware and software it also suggests updates for
>them and even looks for shareware updates.   Although Belarc is a nice
>utility, it does not do this.   And it is not Oil Change or PC Pitstop
>either....

      CatchUp?

      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath, you breathe...)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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512. [aprssig] APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 12 Feb 2001 19:56:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134713-2001.02.12-19.11.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WHile looking at the APRS spec again, I realized we need to update the
table of TOCALL assignments as regards to version numbers. We may have
even given out some other recommended assignments, but I cannot find any
old emails... TO get this list up-to-date, if any authors have begun using
any other letters or has laid claim to an experimental series, please
let me know, so we can update this list.

APC Windows CE
APD APRSd
API Icom and ICQ
APK Kenwood
APM MacAPRS
APN (pending consideration for Network nodes, digis, etc
APP pocketAPRS
APR APRSdos
APS APRS+SA
APU (pending consideration for UIview)
APW WinAPRS
APX Xaprs
APY Yeasu(tbd)
APZ Experimental

de WB4APR@amsat.org, Bob

APRS LIVE pages http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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513. [aprssig] REF: APRS Digi Battery Backup & " MEGA Station AC" Order

From: WA4TKGMatt@aol.com
Date: Mon, 12 Feb 2001 16:13:11 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134685-2001.02.12-15.29.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following is an email received IMMEDIATELY after I put in an order;
I THOUGHT I would get the jump on HURRICANE SEASON....

Guess again.

Thank you for your online order. The Mega Station AC is out of stock.
We are in the process of replacing the unit with a new Mega Station.
The new unit will probably be strictly a power supply (no inverter-
though we do sell inverters separately). The price has not yet been
decided on. The new Mega Station should be available in the next two
weeks. If you wish, we would be glad to let you know when the new unit
arrives and pricing. Please let us know how you wish to proceed.
Best Wishes,

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514. [aprssig] Re: Here you have, ;o)

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Tue, 13 Feb 2001 00:46:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR Org - APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134762-2001.02.13-01.01.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dwayne,
I received the STS worm email (through the APRS Sig list). I believe you
must have attempted to view the image in order to activate the worm...

Below is one of my security list write-ups on it...

----- Original Message -----
From: "Dwayne Moffett" <dmoffett@aaicontrols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 12:14 PM
Subject: [aprssig] Here you have, ;o)

> Hi:
> Check This!
>

----- Original Message -----
From: "Russ" <Russ.Cooper@RC.ON.CA>
To: <NTBUGTRAQ@LISTSERV.NTBUGTRAQ.COM>
Sent: Monday, February 12, 2001 12:07 PM
Subject: Alert: VBS Worm warning

> ICSA Labs has recently assessed the distribution of the STS Worm, also
> called AnnaKournikova because it purports to be a jpeg of here (its type
is
> .jpg.vbs).
>
> This worm is a mass mailer, appears to have originated in Europe over the
> weekend, and is now picking up sites in North America.
>
> So far we're unaware of any AV products that can detect it. The worm uses
> encryption to fool AV products into letting it pass, so the only sure fire
> way of preventing it is to filter on .VBS file types as attachments.
>
> The worm has the following information;
>
> Subject: Here you have, ;o)
> Text: Hi:
>   Check This!
> Attachment: AnnaKournikova.jpg.vbs
>
> With Outlook 2000, you can establish a rule which will likely prevent this
> from getting to your user's eyes. I'm not familiar myself as to how to
push
> a new rule out to all of your users, so maybe an email explaining how they
> can do this themselves would help mitigate this (and other such) worm(s);
>
> 1. Create a new rule
>
> 2. Choose "Check messages when they arrive", click Next
>
> 3. Choose "with <specific words> in the message header" and place
".jpg.vbs"
> in the <specific words>
>
> 4. Choose "which has an attachment" to minimize false positives, click
Next
>
> 5. Choose "move it to a <specified> folder", and create a Public Folder
> which you can store all such messages in (or choose "permanently delete"
if
> you simply don't want to even know they ever arrived). If you establish a
> Public Folder, set its permissions appropriately (possibly denying read
> rights to your users).
>
> 6. Choose "Stop processing more rules", click Finish
>
> This rule will be a server side-rule, preventing your users from seeing
the
> message at all, and allowing them to be processed whether the client is
> connected and running or not. If its not a server-side rule its because
the
> folder you specified is local and not on their server.
>
> Searching for .jpg.vbs in the message "body" isn't going to work since the

> only place the file name exists is in the MIME header. This means that
this
> type of rule filtering is only available with Outlook 2000 (since its the
> first version that can scan the header during rules processing).
>
> More if it warrants it.
>
> Cheers,
> Russ - Surgeon General of TruSecure Corporation/NTBugtraq Editor

---
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515. [aprssig] Re: Looking for a Dash Clip for thd7g

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Tue, 13 Feb 2001 01:06:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134763-2001.02.13-01.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought all the attachments for the 'G71 were also for the 'D7g...

When I try to access the accessories page on the kenwood site, it fails to
show anything. Perhaps the aes.com site...

Scott

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@primenet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 12, 2001 2:55 PM
Subject: [aprssig] Looking for a Dash Clip for thd7g

>
> Have you looked at the RAM mount for the TD-D7?   Anyone with this mount
> care to comment? I'd like to hear about it.
>
> I believe the part number is RAM-B-138-KE1
>
> Mark
> KC7BXS
>
> At 09:13 AM 2/12/01, Byron wrote:
> >Any body on the sig ever use a cell phone mount for the thd7g. I would
> >like to get one for my atv.
> >
> >Have one in the van but it dosent hold it very well.
> >
>
>
> ---
> You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

516. [aprssig] Now that we've gotten off topic...

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 12 Feb 2001 18:02:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134709-2001.02.12-18.20.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since we've delved deeply into the subject of virii and kind of forgotten
APRS for the moment I need some help and the only reason I turn to the SIG
is because I've searched for the answer elsewhere...

I used to have a bookmark to a FREE website that would analyze your system

and then report on what hardware and software you had - and then go out and
look for updates (both hardware and software) and actually install them if
you wanted it too.   I tested it once and it worked far better than I expected.

Unfortunately I misplaced the bookmark to that website - Can anyone point
me in the right direction?

To make it topical - this website identified a number of shareware programs
on my system and updated them properly.   Perhaps this is something that
the Windows based software authors could incorporate into their programs -
either through this service or independently.

73,

Mark
KC7BXS

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517. [aprssig] Re: Hey Bob! Heres a mode you havn't tried yet -- Meteor Bounce APRS

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 13 Feb 2001 07:19:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134782-2001.02.13-07.31.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Quoted from an ABCnews.COM story on commercial metor bounce
> comms. URL is:
>   http://abcnews.go.com/sections/scitech/DailyNews/meteor010208.html
>
> "StarCom's meteor burst effort is the most dynamic.

Actually, Bob pioneered meteor mode communications on APRS years ago.
:o) Check out his meteor.txt file in the help files section for more
information.

BEACONet continues to experiment using this concept, too. See November
1999 QST and November 2000 ARRL WebXtra for more information.

Ev, W2EV

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518. [aprssig] message from sdimse@netrox.net

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Tue, 13 Feb 2001 07:24:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134789-2001.02.13-07.39.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Return-Path: <sdimse@netrox.net>
Received: from t-rex.netrox.net ([204.253.4.3]) by with SMTP (Lyris Server version 3.0); Tue, 13 Feb
2001 07:35:31 -0600
Received: from raptor.netrox.net (netrox.net [204.253.4.4])
        by t-rex.netrox.net (8.11.0/8.11.0) with ESMTP id f1DDIDP14748
        for <aprsnews@lists.tapr.org>; Tue, 13 Feb 2001 08:18:13 -0500 (EST)
Received: from [63.237.254.245] (ppp-245.mialec-tc-5.netrox.net [63.237.254.245])
        by raptor.netrox.net (8.11.0/8.11.0) with SMTP id f1DDJli09824
        for <aprsnews@lists.tapr.org>; Tue, 13 Feb 2001 08:19:51 -0500 (EST)
Message-Id: <200102131319.f1DDJli09824@raptor.netrox.net>
Subject: findu.com announcements
Date: Tue, 13 Feb 2001 08:17:59 -0500
x-sender: sdimse@netrox.net
x-mailer: Claris Emailer 2.0v3, January 22, 1998
From: Steve Dimse <k4hg@tapr.org>
To: <aprsnews@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I have replaced the old server with new, much more capable one. It seems

to handle requests in about half the time. The new one should be set up
exactly like the old, but I may have missed something, please let me know
if there are any inconsistencies. Within a week I hope to put the old one
at the museum, to be able to institue load sharing.

And of course, a few hours after I put the new server online, the DSL
line went out. Telocity has no idea when it will come back up. Please
don't email me that the server is down! The DSL line comes up when it
comes up, there is nothing I can do!

Steve K4HG

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519. [aprssig] Hey Bob! Heres a mode you havn't tried yet -- Meteor Bounce APRS

From: WA8LMF1@aol.com
Date: Tue, 13 Feb 2001 04:19:42 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134768-2001.02.13-03.34.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Quoted from an ABCnews.COM story on commercial metor bounce comms. URL is:
   http://abcnews.go.com/sections/scitech/DailyNews/meteor010208.html

"StarCom's meteor burst effort is the most dynamic. The wireless company
partnered with an ambulance company, American Medical Response, and put GPS
receivers and radios in their ambulances.
But on the long drive from Seattle to Spokane, there are spots where radio
reception just drops out. Rather than lose their trucks in the dead spots,
AMR's radios switch to meteor burst mode, sending back their GPS data on the
falling stars every three minutes or so to keep track of the vehicles.
That's improved management of the ambulance fleet, said Greg Sim,
communications director for AMR Washington. Now they can tell when their
ambulance drivers are taking donut breaks — and when they're not following
directions."

Stephen H. Smith
Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts
|---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

520. [aprssig] Re: Now that we've gotten off topic...

From: WA8LMF1@aol.com
Date: Tue, 13 Feb 2001 00:32:01 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134740-2001.02.12-23.46.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could it be ZDnet's www.updates.com ? I am constantly amazed at the number
of obscure shareware and freeware programs it knows about, detects and
version-checks. In my system, it picks up IrfanView, Knoware's Internet
Neighborhood ftp client, MJM Soft's KeyText, Lavasoft's Ad-Aware spyware
detector and more...

In a message dated 2/12/01 8:20:03 PM Pacific Standard Time,
sparkfel@primenet.com writes:

> I used to have a bookmark to a FREE website that would analyze your system
> and then report on what hardware and software you had - and then go out
and
> look for updates (both hardware and software) and actually install them if

> you wanted it too. I tested it once and it worked far better than I
> expected.
>
> Unfortunately I misplaced the bookmark to that website - Can anyone point
> me in the right direction?

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521. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Tue, 13 Feb 2001 09:28:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-134795-2001.02.13-08.39.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why is the TOCALL for Icom and ICQ both API? Isn't the purpose of this
designator to indicate something (i.e. capabilities etc.) about the
originator? Perhaps APQ could be used for ICQ.

73s,
--Alex

Bob Bruninga wrote:
>
> WHile looking at the APRS spec again, I realized we need to update the
> table of TOCALL assignments as regards to version numbers. We may have
> even given out some other recommended assignments, but I cannot find any
> old emails... TO get this list up-to-date, if any authors have begun using
> any other letters or has laid claim to an experimental series, please
> let me know, so we can update this list.
>
> APC Windows CE
> APD APRSd
> API Icom and ICQ
> APK Kenwood
> APM MacAPRS
> APN (pending consideration for Network nodes, digis, etc
> APP pocketAPRS
> APR APRSdos
> APS APRS+SA
> APU (pending consideration for UIview)
> APW WinAPRS
> APX Xaprs
> APY Yeasu(tbd)
> APZ Experimental
>
> de WB4APR@amsat.org, Bob
>
> APRS LIVE pages http://web.usna.navy.mil/~bruninga/aprs.html
> APRS SATELLITES http://web.usna.navy.mil/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
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522. [aprssig] Re: Virus Question.

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 13 Feb 2001 07:33:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134797-2001.02.13-08.48.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:01 AM 2/13/01 -0500, Gary V. Smith blasted the following out into the
ether:
>Hello All,
>
>Concerning the discussion about the .vbs virus, I sent a message earlier
>saying that my McAfee caught and killed the virus during

>downloading. However, someone in the thread mentioned that this
>particular type of virus will activate without "opening" the
>attachment. Is this true? Mention was also made that it will attach
>itself to every entry in the Microsoft Outlook address book. I don't use
>Outlook and never have on this computer, even though it is installed from
>the OEM bundle. I have always used Eudora. Is there any immunity factor
>by using something other that Outlook?

      I think so, although you STILL don't open the attachment! <G>

      The REAL immunity lies in using something else (Eudora in my case)
and keeping the Microsoft Outlook address book EMPTY! Nothing for the
virus to send to...

      My opinion,
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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523. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Tue, 13 Feb 2001 09:49:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-134799-2001.02.13-08.58.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Also, can APA be assigned to Alinco?

If we are so thoughtful to reserve API for Icom and APY for Yeasu who do
not even have APRS rigs available (yet), shouldn't we at least assign
APA to Alinco who actually does support the APRS community by making an
APRS rig available?

Maybe it uses something other than APA as a TOCALL right now, but if APA
would be assigned to them and they would be informed of such, I'm sure
they are more than happy to implement it in their firmware.

Just another thought,
--Alex

Bob Bruninga wrote:
>
> WHile looking at the APRS spec again, I realized we need to update the
> table of TOCALL assignments as regards to version numbers. We may have
> even given out some other recommended assignments, but I cannot find any
> old emails... TO get this list up-to-date, if any authors have begun using
> any other letters or has laid claim to an experimental series, please
> let me know, so we can update this list.
>
> APC Windows CE
> APD APRSd
> API Icom and ICQ
> APK Kenwood
> APM MacAPRS
> APN (pending consideration for Network nodes, digis, etc
> APP pocketAPRS
> APR APRSdos
> APS APRS+SA
> APU (pending consideration for UIview)
> APW WinAPRS
> APX Xaprs
> APY Yeasu(tbd)
> APZ Experimental
>
> de WB4APR@amsat.org, Bob
>
> APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html

> APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
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524. [aprssig] Re: Virus Question.

From: "Jeff Brenton" <jeffb@espi.com>
Date: Tue, 13 Feb 2001 08:47:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134801-2001.02.13-09.03.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The REAL immunity lies in using something else (Eudora in my case)

Using non-Microsoft software makes you LESS of a target, but doesn't remove
you from the target range. Let's just say that non-Outlook users have a
1-foot circle on their backs, while Outlook users are carrying radar- and
laser-targeting beacons! B-)

[users of products like pine, elm, and other text-only mail clients have
camo on, but are still out there...]

> and keeping the Microsoft Outlook address book EMPTY!
> Nothing for the virus to send to...

Not a complete defense - The "snow white turns 18" worm, which has been
making its way around the net for the past few months (including some on
this list), and the "Stuart" worm that hit last year, send themselves to
anyone who sends you email, ignoring your address book. Hence, a lot of
people who contribute to mail lists are targets.

In both cases, even Eudora wasn't immune... the worms understand the typical
email data file formats, and read through them to pick victims.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

525. [aprssig] Re: Virus Question.

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 13 Feb 2001 10:02:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134802-2001.02.13-09.23.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This whole thing reminds me of the first time someone sent me a virus.
I was running a CP/M BBS, and some yoyo uploaded a .exe file, and sent me a
message saying something to the effect of "I just sent you a killer virus,
run it and die". (Z-80 system, .exe file...)

Why do people open unexpected attachments?

I have about a dozen worms (few actual viruses these days) in my attachment
directory. And there they will sit, until I'm foolish enough to go there,
and run them. I periodically wipe them out, but they aren't enough of a
hazard to bother with. I've been online since '85, and on the net since
'94 or '95, and I've not once been hit with a virus or worm through
downloaded files (Gigabytes) or emails. No "protection" software, just a

little (un)common sense.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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526. [aprssig] Re: Virus Question _ Outlook non-security issues.

From: WA8LMF1@aol.com
Date: Tue, 13 Feb 2001 01:09:42 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134756-2001.02.13-00.24.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

[[Yes it's off-topic but sufficiently important to be aware of]]

In a message dated 2/12/01 9:20:06 PM Pacific Standard Time,
gvsmith@skyenet.net writes:

> However, someone in the thread mentioned that this particular
> type of virus will activate without "opening" the attachment. Is this
> true? Mention was also made that it will attach itself to every entry in
> the Microsoft Outlook address book. I don't use Outlook and never have on
> this computer, even though it is installed from the OEM bundle. I have
> always used Eudora.

> Is there any immunity factor by using something other
> that Outlook?

Yes! Microsoft has gone hogwild interconnecting all the Windows and MS
Office components to allow all kinds of gee-whizzy inter-program data
swapping and automation. For example sharing a single address book with
Outlook email and MS Word, or allowing Word to do a merge-print mass
emailing, or the ability to embed live Web links in Word. In doing this,
they have fatally compromised security.

Other email clients that stand away from Microsoft's hopelessly
interconnected components in Word, Internet Explorer, Outlook, Windows
Address Book (the email address list in Outlook is actually kept in a
separate application the Windows Address Book aka "WAB") etc are far less
likely to be susceptible.

Outlook CAN do nasty things without opening attachments, though in this case
it wouldn't have (The virus WAS clearly in the attachment).

The key is that Outlook treats emails as mini web pages (It uses HTML to do
"stationary" colored backgrounds, formatting such as fonts, bold, italic,
clickable live links, etc). It actually uses the HTML interpreter in the
Internet Explorer browser to decode the formatting in incoming email. As
such, email targeted at Outlook can contain Javascript, MS Visual Basic
scripts and all the other such nonsense that IE can render on Internet web
pages. If one of these is embedded in the body of the email text (not as an
attachment) nasty things can happen merely by opening an email. Outlook
messages can even have embedded links to graphics, java applets, etc on
distant servers that will be fetched and loaded into your machine just like a
web page AFTER the mail is opened! [This is the mechanism behind so-called
"web bugs" that allow the sender of spam to confirm you got the message even
if you don't reply. Typically the message will have a reference to a
invisible 1-pixel-by-1-pixel white "graphic" embedded in the email page
layout that causes a request to be sent to a distant server for the 1-pixel
picture, thereby revealing your address to the spammer].

If you have the option, turn off the HTML read mode in your email client.
With Outlook, you can't completely turn off HTML (you can and should on the
SEND MAIL side) but you CAN turn up the security mode to make it incapable of
running scripts, etc. In doing this you are also making the Internet
Explorer browser incapable since the two are so interconnected.

Another security element to implement is to set your firewall software to
deny http: access to Outlook while allowing it to your Web browsers.

Stephen H. Smith
Email: wa8lmf@aol.com

Homepage: http://members.aol.com/wa8lmf

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527. [aprssig] Now we've gotten of Topic...

From: larry nimmons <n4obh@yahoo.com>
Date: Tue, 13 Feb 2001 07:38:16 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134808-2001.02.13-09.53.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

147.390+ new APRS packet frequency
14.313 20 meters new aprs packet frequency
according to ARRL,Those were the new APRS assigned new
aprs frequency and allocated to us AMATEUR OPERATORS.

73'S N4OBH

_____
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Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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528. [aprssig] Re: [Re: TCPIP paths]

From: Ken Brown <W2KB@compuserve.com>
Date: Tue, 13 Feb 2001 10:44:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134809-2001.02.13-10.00.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> It's pretty simple, Ken. <<

Thanks for the answer, Keith. Transmitting a sampling makes sense. Where
I live in New Jersey, apparently no one gates the internet to RF (except
for packets addressed to local area stations on 144.390) so I only see 200
to 300 mile radius worth of stations plus those from HF to VHF gates with
the home station on 14.390.

 73,

  ---Ken   W2KB@ARRL.net

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529. [aprssig] RE: Now we've gotten of Topic...

From: Peter Anderson <panderson@CenterPartners.com>
Date: Tue, 13 Feb 2001 08:46:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134810-2001.02.13-10.01.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So is there a switch for the national APRS frequency? And when is this going
to be implemented?

Peter Anderson
http://www.findu.com/cgi-bin/find.cgi?N0WRE
(Home)

http://www.findu.com/cgi-bin/find.cgi?N0WRE-1
(Work)
http://www.findu.com/cgi-bin/find.cgi?N0WRE-2
(Chestpack)
http://www.findu.com/cgi-bin/find.cgi?N0WRE-3
(Mobile)

-----Original Message-----
From: larry nimmons [mailto:n4obh@yahoo.com]
Sent: Tuesday, February 13, 2001 8:38 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Now we've gotten of Topic...

147.390+ new APRS packet frequency
14.313 20 meters new aprs packet frequency
according to ARRL,Those were the new APRS assigned new
aprs frequency and allocated to us AMATEUR OPERATORS.

73'S N4OBH

_____
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Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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530. [aprssig] Re: APRS TOCALLS

From: Steve Bragg <steve@hamhud.net>
Date: Tue, 13 Feb 2001 10:01:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134812-2001.02.13-10.15.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> WHile looking at the APRS spec again, I realized we need to update the
> table of TOCALL assignments as regards to version numbers. We may have
> even given out some other recommended assignments, but I cannot find any
> old emails... TO get this list up-to-date, if any authors have begun using
> any other letters or has laid claim to an experimental series, please
> let me know, so we can update this list.

Would every kind of APRS-like code that has a signicant user base
require a TO-CALL? If so, please consider adding one for the HamHUD.
We have an ever-expanding user base. Dunno what TO-CALL you'd use;
maybe 'APH' could work.

73,

Steve Bragg KA9MVA
```
--- __ __ ___   ____ __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
```
==========
Steve Bragg KA9MVA   ka9mva@hamhud.net   ICQ:29816109
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
FINDU, FIND ME WITH APRS! http://map.findu.com/ka9mva-9

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531. [aprssig] Re: Now we've gotten of Topic...

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 13 Feb 2001 13:00:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134827-2001.02.13-12.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:38 AM 2/13/01 -0800, larry nimmons wrote:
>147.390+ new APRS packet frequency

Someone's mis-reading something.
We've never used repeater offsets, and AFAIK never on 7.39

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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532. [aprssig] Corrupted By Virus; MacAPRS Voice Corrupted ?

From: WA4TKGMatt@aol.com
Date: Tue, 13 Feb 2001 13:37:59 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134831-2001.02.13-12.53.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have an apparently corrupted system.

The voice on my iMac DV is announcing rather slowly.

This is the only problem thus far from the Virus.

Anyone know how to remedy this?

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533. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 13 Feb 2001 14:04:57 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134840-2001.02.13-13.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 13 Feb 2001, Alex wrote:

> Also, can APA be assigned to Alinco?
>
> Maybe it uses something other than APA as a TOCALL right now, but if APA
> would be assigned to them and they would be informed of such, I'm sure
> they are more than happy to implement it in their firmware.

Yes, does the ALINCO DR135 have a default TOCALL when in GPS mode? I
rather think not, since it is only a dumb TNC. But I will add ALINCO as a
suggestion for the APA...

Bob

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534. [aprssig] Re: APRS TOCALLS

From: "Jeff Brenton" <jeffb@espi.com>
Date: Tue, 13 Feb 2001 13:10:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-134841-2001.02.13-13.26.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Why do we need TO call stuff?

One thing about the APxxxx TO calls is that it allows a program to make
decisions about destination capabilities. For example, when a WinAPRS
machine is sending to a Kenwood radio (APKxxx), it shortens the message
lines to fit the target...

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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535. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 13 Feb 2001 14:20:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134842-2001.02.13-13.34.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 13 Feb 2001, Sadowski, Allan wrote:

> What does it matter what the TOCALLS are??? what Network function uses
> this info...

It lets authors and troubleshooters find out what is the source of a
packet. If there is a systematic bug in a format being generated by one
particular version of software it lets us identify it...

Extremely handy in troubleshooting...
bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

536. [aprssig] APRS To-Calls -- quick information

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 13 Feb 2001 14:43:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134848-2001.02.13-13.58.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Two quick points to make...

...It may be helpful if someone could clarify what that information
   is used for so that "applicants" for the remaining "slots" would
   better know if they qualify for one or not.

...As a point of interest to developers...BEACONet uses UI-Frame
   packet technology (just like APRS) and has a To-Field protocol
   suite that you may wish to consider allowing as well. BEACONet
   To-fields start out with one of the following characters: X, L,
   M, H, V, U, S, E and can be followed by any character from A to
   Z plus the number 0 (zero). If you are developing UI-Frame
   software for the APRS(tm) service and are interested in
   including full BEACONet(tm) service functionality, I'll be happy
   to forward to you the Beta.09 version of the To-Call protocol,
   in which we embed: Frequency, Network Personality, Power Output,
   Antenna Gain/Element Count, H.A.A.T. and Antenna pointing vector.

'just trying to be helpful,

Ev Tupis, W2EV

 28.128-MHz USB 1200 Baud --> W2EV>HY1G11-15:[FN03XD]
 53.530-MHz FM 1200 Baud --> W2EV>VB1G12-15:[FN03XD]
147.585-MHz FM 1200 Baud --> W2EV>VK1I22-7:[FN03XD]
223.780-MHz FM 1200 Baud --> W2EV>VS1H22-7:[FN03XD] (meteor-time only)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

537. [aprssig] Re: APRS TOCALLS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 13 Feb 2001 10:35:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-134807-2001.02.13-09.48.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry for the stupid question....

What does it matter what the TOCALLS are??? what Network function uses
this info...

Again... sorry for the dumb question...

ALOHA
AH6LS

> Bob Bruninga wrote:
> >
> > WHile looking at the APRS spec again, I realized we need to update the
> > table of TOCALL assignments as regards to version numbers. We may have
> > even given out some other recommended assignments, but I cannot find any
> > old emails...
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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538. [aprssig] Re: Corrupted By Virus; MacAPRS Voice Corrupted ?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Tue, 13 Feb 2001 12:47:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134849-2001.02.13-14.01.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Totally depends on what "virus" you may have. It may well be and likely
is a different problem. The likelihood of the latest VBS worm (Anna,
SST, or whatever the name of the minute is) being the culprit in your
case is slight.

Try one of the online scanners (www.trendmicro.com) see if it'll find
something. If it does - cool, run with it. If not - that's no guarantee
there's nothing there. Most of the anti-vi shops have 'encyclopedias'
that at the least contain information on the damage that's been done.
Once you know you have an 'infection', what the infector is, then you
can use these enclypedias to aid in recovery.

Better yet - the name of the game is prevention and remediation, not
just recovery. (Hey - I remembered something from that FEMA course after
all!)

73

WA4TKGMatt@aol.com wrote:
>
> I have an apparently corrupted system.
>
> The voice on my iMac DV is announcing rather slowly.
>
> This is the only problem thus far from the Virus.
>
> Anyone know how to remedy this?
--
               /\

```
               | CARC Repeater 146.640 |       DN62uu        |
               |    ICQ/ICU# 82711454  | eGroups.com/RM-APRS |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               ++++++++++++++++++++++++++++++++++++++++++++++
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

539. [aprssig] Re: APRS TOCALLS

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Tue, 13 Feb 2001 20:08:32 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga" <bruninga@usna.edu>
Message-ID: <LYR842-134850-2001.02.13-14.03.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Alex, Bob,

I've been contacted personally. I send in my proposal, I guess that's why
APN now reads "network nodes, digis".

Here is my consideration for using that, either excusive or as kind of
"class". I think the latter would be better. That means that Xastir can use
APX as belonging to the class of XWindows programs and UIview would be APW
since it is Windows based. Anyway, my considerations for APN were as
follows, quote:

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
To: "John Ackermann" <jra@febo.com>
Subject: Re: [aprssig] APRSSPEC group
Date: Fri, 26 Jan 2001 23:13:56 +0100

Hello John,

----- Oorspronkelijk bericht -----
> I'm sorry not to get back to you on your earlier request for an APRxxx

I fully understand that this is a hobby and everything is done in valuable
spare time. No problem.

> ID. We'll get one allocated to you -- suggest what you'd like to use
> and I'll propose it to the group.

Okay, going through the list of calls the one that appeals to me most is the
prefix "APN". You can look at this at different ways:

APN : digi_Ned, so the first letter of the second word. This is when you
restrict it to my application.

I can imagine that the spec should be more general. In that case you can
look at APN as digipeaters using the "N" overlay - which are inteligent
digipeaters. In that case also UIdigi will qualify.

Yet another way is to have "N" as meaning "Next generation" since it follows
the first generation of TNC based digipeaters. Also in this case this covers
UIdigi and manybe UIview although that could also be APV (but Roger should
request that...).

Finaly the "N" could mean "node".

So I think APN has enough flexibility to make sense. For the other avaliable
prefixes I have not found anything which can be twisted in so many ways. APB
could mean "basestation" but that is terminology which is hardly used.

[cut the rest which was off-topic]

Anyway, if you can discuss the "APN" proposal that would be nice. Of course
I'm open to other suggestions too!

Kind regards,

Henk.

I'm awaiting an okay or other proposal, until then I keep the experimental
callsign set asside for temporary use.

Kind regards,

Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

540. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Tue, 13 Feb 2001 15:07:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134854-2001.02.13-14.17.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My bad. I thought only the first three characters are alphanumeric (AP
for the first two) and the last 3 were numerics only, but I see I was
wrong. Should've checked the specs (page 14 and 15) first before jumping
on it.

Thanks and 73s,
--Alex

Bob Bruninga wrote:

> There are only 26 letters in the alphabet, so Both Icom and ICQ must find
> a way to share APIxxx. There are 46,656 combinations available, so I
> think they can find a mutually exclusive subset. For example, ICQ can use
> APICQn and have up to 36 versions before he has to begin reusing them or
> cahnge to APIQnn etc...
>
> That is why I am looking at this list, to see if we cant start keeping it
> current. Thanks
>
> Bob
> Other software groups will need to share also.> >
> 73s,

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

541. [aprssig] RE: Now we've gotten of Topic...

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 13 Feb 2001 14:51:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134866-2001.02.13-15.06.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is my understanding that the real Larry Nimmons is an SK (someone
correct me if this is not true) and that someone is assuming his
identity.   Judging by the location of the email (Carolinas) and the
general style and tenor of the emails, I'd have to say this individual
resembles Mr. James Andrew Ruppe, himself...

73,

Mark

At 02:24 PM 2/13/01, Peter Anderson wrote:

>-----Original Message-----
>From: WA8LMF1@aol.com [mailto:WA8LMF1@aol.com]
>Sent: Tuesday, February 13, 2001 10:03 AM
>To: Peter Anderson
>Subject: Re: [aprssig] RE: Now we've gotten of Topic...
>
>
>The yoyo that sent you this is not part of the list. He's a CB "freebander"
>(operates between CB and 10 meters) and stalks this and other lists, then

>spams members with all sorts of incoherent crap. I've been blocking him for
>months now.
>
>In a message dated 2/13/01 7:56:35 AM Pacific Standard Time,
>panderson@CenterPartners.com writes:
>
> > -----Original Message-----
> > From: larry nimmons [mailto:n4obh@yahoo.com]
> > Sent: Tuesday, February 13, 2001 8:38 AM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] Now we've gotten of Topic...
> >

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

542. [aprssig] RE: Now we've gotten of Topic...

From: Rich Mulvey <mulveyr@iname.com>
Date: Tue, 13 Feb 2001 15:54:47 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134868-2001.02.13-15.15.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is that loser still around? He had sent all sorts of bizarre e-mails to me
last year, including some that threatened violence. It's pretty obvious that
the guy has some severe mental issues. He made it into my filters pretty
quickly.

- Rich

On 13-Feb-01 Mark Fellhauer wrote:
> It is my understanding that the real Larry Nimmons is an SK (someone
> correct me if this is not true) and that someone is assuming his
> identity.   Judging by the location of the email (Carolinas) and the
> general style and tenor of the emails, I'd have to say this individual
> resembles Mr. James Andrew Ruppe, himself...
>
> 73,
>
> Mark
>
>
>
> At 02:24 PM 2/13/01, Peter Anderson wrote:
>
>
>>-----Original Message-----
>>From: WA8LMF1@aol.com [mailto:WA8LMF1@aol.com]
>>Sent: Tuesday, February 13, 2001 10:03 AM
>>To: Peter Anderson
>>Subject: Re: [aprssig] RE: Now we've gotten of Topic...
>>
>>
>>The yoyo that sent you this is not part of the list. He's a CB "freebander"
>>(operates between CB and 10 meters) and stalks this and other lists, then
>>spams members with all sorts of incoherent crap. I've been blocking him for
>>months now.
>>
>>In a message dated 2/13/01 7:56:35 AM Pacific Standard Time,
>>panderson@CenterPartners.com writes:
>>
>> > -----Original Message-----
>> > From: larry nimmons [mailto:n4obh@yahoo.com]
>> > Sent: Tuesday, February 13, 2001 8:38 AM
>> > To: TAPR APRS Special Interest Group
>> > Subject: [aprssig] Now we've gotten of Topic...
>> >
>
>
> ---
> You are currently subscribed to aprssig as: mulveyr@iname.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Catapultam habeo. Nisi pecuniam omnem mihi dabis, ad caput tuum saxum
immane mittam.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

543. [aprssig] Re: Virus Question.

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Tue, 13 Feb 2001 16:22:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134869-2001.02.13-15.36.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: David VanHorn
> Sent: Tuesday, February 13, 2001 10:03 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Virus Question.
>
> This whole thing reminds me of the first time someone sent me a virus.
> I was running a CP/M BBS, and some yoyo uploaded a .exe file,
> and sent me a message saying something to the effect of "I just sent
> you a killer virus, run it and die". (Z-80 system, .exe file...)

   .... uuuhhhh its been awhile, but it seems to me that CP/M only had
.COM files, the .EXE was a MS-DOSe creation.

> Why do people open unexpected attachments?

   ... stupidity????

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544. [aprssig] Re: Virus Question.

From: Jeff King <jeff@aerodata.net>
Date: Tue, 13 Feb 2001 16:28:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134870-2001.02.13-15.43.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Brian B. Riley" wrote:

> > From: David VanHorn

> > Why do people open unexpected attachments?

>   ... stupidity????

I'd rather think of it as Darwinism at work.

;-)

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

545. [aprssig] Re: Virus Question.

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 13 Feb 2001 16:39:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134878-2001.02.13-16.04.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> > This whole thing reminds me of the first time someone sent me a virus.
> > I was running a CP/M BBS, and some yoyo uploaded a .exe file,
> > and sent me a message saying something to the effect of "I just sent
> > you a killer virus, run it and die". (Z-80 system, .exe file...)
>
>   .... uuuhhhh its been awhile, but it seems to me that CP/M only had
>.COM files, the .EXE was a MS-DOSe creation.

Exeactly...

The system was set up anticipating hackers, but I never got any.
After three fails of the sysop password, it went into a routine that would
let you in, no matter what password you used, after some number of tries
(large, and random).
What you were let into, was a COPY of the system. You had full privliges,
and could do what you liked.
When you logged off (or dropped carrier) the system would make a new copy
from the (still safe) real files, then run the real files.

ZCPR was wonderful!

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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546. [aprssig] RE: Now we've gotten of Topic...

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 13 Feb 2001 08:59:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134823-2001.02.13-11.59.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:46 AM 2/13/01 -0700, Peter Anderson blasted the following out into
the ether:
>So is there a switch for the national APRS frequency? And when is this going
>to be implemented?

      Sounds more like an error or a malicious rumor...

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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547. [aprssig] long hops

From: "BobD" <BobD@virtualconst.com>
Date: Tue, 13 Feb 2001 17:31:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134885-2001.02.13-16.49.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just happened to check on my digi (N2IPH-15) today at findu.com
Shows a direct digipeat thru WD4HDL-1, that's a about 150 miles as the crow
flies.

Raw packet: N2IPH-15>APRS,WD4HDL-1*:!3927.46NN07509.47W#PHG4460/A=000120
Cumb.Cnty EOC Wide/Relay/Trace

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548. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Tue, 13 Feb 2001 09:26:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>, Henk de Groot <henk.de.groot@hetnet.nl>
Message-ID: <LYR842-134793-2001.02.13-08.36.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob,

Can DIGI_NED get an exclusive designation too? Henk, PE1DNN, did ask a
couple of weeks ago on this list what the procedure was to apply for
such a designation, but I have never seen a response. I hope he received
one privately.

Thank you and 73s,
--Alex

Bob Bruninga wrote:
>
> WHile looking at the APRS spec again, I realized we need to update the
> table of TOCALL assignments as regards to version numbers. We may have
> even given out some other recommended assignments, but I cannot find any
> old emails... TO get this list up-to-date, if any authors have begun using
> any other letters or has laid claim to an experimental series, please
> let me know, so we can update this list.
>
> APC Windows CE
> APD APRSd
> API Icom and ICQ
> APK Kenwood
> APM MacAPRS
> APN (pending consideration for Network nodes, digis, etc
> APP pocketAPRS
> APR APRSdos
> APS APRS+SA
> APU (pending consideration for UIview)
> APW WinAPRS
> APX Xaprs
> APY Yeasu(tbd)
> APZ Experimental
>
> de WB4APR@amsat.org, Bob
>
> APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
> APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
> You are currently subscribed to aprssig as: kg4ecv@earthlink.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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549. [aprssig] Re: Looking for a Dash Clip for thd7g

From: "Randy Farley" <RFarley@woodgrain.com>
Date: Tue, 13 Feb 2001 11:24:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134828-2001.02.13-12.40.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I purchased the RAM mount last summer. The unit holds the TH-D7 on my Honda 4x4 ATV very reliably. It fits the radio perfectly and does not interfere with the any of the input ports on the side of the radio.. The radio actually snaps into the mount from the top rear of the unit. It takes a little practice to get it in the first few times, but you never have to worry about it coming out of the bracket. I've had my ATV on some pretty nasty trails during elk hunts. The ball and socket mount act as a nice shock absorber for the radio.

Need to come up with a better moisture cover for radio and mount. A ziplock bag does not cut it when you are traveling at higher speeds on good roads. It just ends up in your face about the time some redneck kid driving a jacked-up-big-tire Dodge (any brand will work here) pickup comes around the corner in your lane.

Also i got the holder for my GPS III+ from RAM. I am at work so i cannot confirm the part numbers for you. I believe i ordered both brackets from Cabela's.

I would not trust any cell phone type holders that i have seen. They are fine for your big rigs on smooth roads but not for ATVing. I tried a cell phone holder once, luckily i caught the radio dangling by the antenna coax before my right rear tire made a fossilized imprint in the snow and mud. The plastic stem holding the clamshell broke. Needles to say, that mount ended up in a campfire that evening near the Hell's Canyon Primitive Area. Yes, we still have access to some roads out west, no thanks to Clinton <;)

My tried and tested real world input.
No stinkin labaratory tests submitted <;)

Randy
N7GPS

>>> Mark Fellhauer <sparkfel@primenet.com> 02/12/01 01:55PM >>>

Have you looked at the RAM mount for the TD-D7? Anyone with this mount care to comment? I'd like to hear about it.

I believe the part number is RAM-B-138-KE1

Mark
KC7BXS

At 09:13 AM 2/12/01, Byron wrote:
>Any body on the sig ever use a cell phone mount for the thd7g. I would
>like to get one for my atv.
>
>Have one in the van but it dosent hold it very well.
>

You are currently subscribed to aprssig as: rfarley@woodgrain.com
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550. [aprssig] RE: APRS digi battery backup question / UPS

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Tue, 13 Feb 2001 11:44:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134833-2001.02.13-12.57.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

pk@ij.net reports:

>Remember that some UPSs do not put out pure sine-wave AC output but more of
a square-wave
>output. This is fine for most computer devices but not neccessarily true in
radios.

Many do indeed create "modified sine wave" output, which may or may not result in clean power coming from an attached AC>DC power supply. YMMV.

On my digi I am using the UPS as a battery charger only. The radio and TNC connect directly to the internal battery. In this case the transmit audio is free of any hum, buzz or whine, but again YMMV.

I obtained this UPS from a dumpster. Yes, the only thing wrong was an old battery. Talk about appliance operators! ;-) A quick battery swap cured it. I added a terminal block for the 12V on the outside of the case for easy equipment hookups (including an optional external battery) and a 10A fuse.

To those who are shopping for a UPS: advertised VA ratings on UPSs are "necessary" but not "sufficient" information. There is a slight correlation between the amp-hour capacity of the battery pack (the amount of stored energy) and the watt rating of the DC>AC inverter (the maximum energy depletion rate). This is analogous to the slight correlation between fuel tank size and engine horsepower in automobiles.

73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

551. [aprssig] RE: Looking for a Dash Clip for thd7g

From: "Lee Ciereszko" <n4tcw@yahoo.com>
Date: Tue, 13 Feb 2001 09:41:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134798-2001.02.13-08.58.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For an ATV I would not recommend an exposed mount. Anything w/a clip or
squeeze-friction mount will probably let the radio bounce out. I plan on
mounting a small waterproof case on the front fender and then feed the
cables through waterproofed holes. Shock mounting should probably be
considered.

Lee Ciereszko   N4TCW

Find Lee: http://map.findu.com/n4tcw

Any body on the sig ever use a cell phone mount for the thd7g. I would =
like to get one for my atv.

Have one in the van but it dosent hold it very well.

Any help would be appreciated.

Tnx
BYRON DEVINE
73 The real KB9LNC//=20

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

552. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 13 Feb 2001 14:02:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134836-2001.02.13-13.17.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 13 Feb 2001, Alex wrote:

> Why is the TOCALL for Icom and ICQ both API? Isn't the purpose of this
> designator to indicate something (i.e. capabilities etc.) about the
> originator? Perhaps APQ could be used for ICQ.

There are only 26 letters in the alphabet, so Both Icom and ICQ must find
a way to share APIxxx. There are 46,656 combinations available, so I
think they can find a mutually exclusive subset. For example, ICQ can use
APICQn and have up to 36 versions before he has to begin reusing them or
cahnge to APIQnn etc...

That is why I am looking at this list, to see if we cant start keeping it
current. Thanks

Bob
 Other software groups will need to share also.> >
73s, > --Alex >
> Bob Bruninga wrote:
> >
> > WHile looking at the APRS spec again, I realized we need to update the
> > table of TOCALL assignments as regards to version numbers. We may have
> > even given out some other recommended assignments, but I cannot find any

> > old emails... TO get this list up-to-date, if any authors have begun using
> > any other letters or has laid claim to an experimental series, please
> > let me know, so we can update this list.
> >
> > APC Windows CE
> > APD APRSd
> > API Icom and ICQ
> > APK Kenwood
> > APM MacAPRS
> > APN (pending consideration for Network nodes, digis, etc
> > APP pocketAPRS
> > APR APRSdos
> > APS APRS+SA
> > APU (pending consideration for UIview)
> > APW WinAPRS
> > APX Xaprs
> > APY Yeasu(tbd)
> > APZ Experimental
> >
> > de WB4APR@amsat.org, Bob
> >
> > APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
> > APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
> > MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
> >
> > ---
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>

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

553. [aprssig] Re: Magellan GPS Tracker?

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Tue, 13 Feb 2001 12:31:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134843-2001.02.13-13.45.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org> writes:

>>Some Garmin GPS units have "CMOS level" signals (read this as not RS232)
>meaning that they are 0-5vdc input pins (not inverted either) and these
>would be destroyed by plugging these directly into a true RS232 serial port.

Have you heard of this actually having happened? I haven't, during a few
years of following sci.geo.satellite-nav on an occasional basis. Something
like this would probably have been pretty noticeable in that forum. It has a
rather vocal whiner contingent.

Also, a zener diode plus a series resistor renders a true CMOS input safe to
an applied + or - 12V. The ability to send and receive at CMOS levels does
not imply this damage sensitivity as long as the design job was correctly
completed. Connecting CMOS chip inputs directly to the outside world without
any protection is a well established no-no, unlikely to have been committed
by Garmin or any other GPS manufacturer.

>Additionally, the NMEA specs really don't spec out anything about voltages
>nor how they're transmitted, just how they are formated and how the data is
>handled.

This much was found at the excellent
ftp://vancouver-webpages.com/pub/peter/nmeafaq.txt

"2. Electrical Interface These standards allow a single "talker", and several
"listeners" on one circuit. The recommended interconnect wiring is a shielded
twisted pair, with the shield grounded only at the talker. The standards do
not specify the use of any particular connector. The NMEA-0180 and 0182

standards say that the talker output may be RS-232, or from a TTL buffer,
capable of delivering 10 mA at 4 V. A sample circuit shows an open collector
TTL buffer with a 680 ohm resistor to +12 V, and a diode to prevent the
output voltage from rising above +5.7 V. NMEA-0183 accepts this, but
recommends that the talker output comply with EIA-422. This is a differential
system, having two signal lines, A and B. The voltages on the "A" line
correspond to those on the older TTL single wire, while the "B" voltages are
reversed (while "A" is at +5, "B" is at ground, and vice versa) In either
case, the recommended receive circuit uses an opto-isolator with suitable
protection circuitry. The input should be isolated from the receiver's
ground. In practice, the single wire, or the EIA-422 "A" wire may be directly
connected to a computer's RS-232 input."

Peter Bennett's NMEA info files are a free alternative to the official NMEA
booklet.

73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

554. [aprssig] Re: [Bob Bruninga] Re: APRS TOCALLS

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 13 Feb 2001 13:40:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134847-2001.02.13-13.55.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>That is why I am looking at this list, to see if we cant start keeping it
>current. Thanks

I am using APJ for JeAPRS...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

555. [aprssig] FW: RE: Now we've gotten of Topic...

From: Peter Anderson <panderson@CenterPartners.com>
Date: Tue, 13 Feb 2001 13:24:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134862-2001.02.13-14.40.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: WA8LMF1@aol.com [mailto:WA8LMF1@aol.com]
Sent: Tuesday, February 13, 2001 10:03 AM
To: Peter Anderson
Subject: Re: [aprssig] RE: Now we've gotten of Topic...

The yoyo that sent you this is not part of the list. He's a CB "freebander"
(operates between CB and 10 meters) and stalks this and other lists, then
spams members with all sorts of incoherent crap. I've been blocking him for
months now.

In a message dated 2/13/01 7:56:35 AM Pacific Standard Time,
panderson@CenterPartners.com writes:

> -----Original Message-----
> From: larry nimmons [mailto:n4obh@yahoo.com]
> Sent: Tuesday, February 13, 2001 8:38 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Now we've gotten of Topic...
>
>

> 147.390+ new APRS packet frequency
> 14.313 20 meters new aprs packet frequency
> according to ARRL,Those were the new APRS assigned new
> aprs frequency and allocated to us AMATEUR OPERATORS.
>
> 73'S N4OBH
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

556. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Tue, 13 Feb 2001 15:24:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134857-2001.02.13-14.34.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't own one, so I can't verify. The TNC board manual states that
"GPS" is the default TOCALL. I also checked a station that I know is a
DR135, and it uses GPSLF. Perhaps someone who owns a DR135 on this list
can verify this.

Hope this helps.

--Alex

Bob Bruninga wrote:
>
> On Tue, 13 Feb 2001, Alex wrote:
>
> Yes, does the ALINCO DR135 have a default TOCALL when in GPS mode? I
> rather think not, since it is only a dumb TNC. But I will add ALINCO as a
> suggestion for the APA...
>
> Bob

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557. [aprssig] Microsloth Outhouse

From: blitz <blitz@macronet.net>
Date: Tue, 13 Feb 2001 19:56:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134900-2001.02.13-19.11.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>If you ran the .vbs script and if Microsloth Outhouse isn't configured,
there won't be anything to grab in the addy book, however you STILL would
be infected, just benignly.
>
>Also, If you delete VSCRIPT.EXE in the windows directory, you should be
pretty immune from all of these .vbs worms and trojans.
>
>But nothing replaces the anti-virus program.
>
>And as of last night, Norton had the update for its NAV 2000/2001 suites
posted that catches it.
>
>Nice quick work..bravo!
>
>
>
>I don't use
>>>Outlook and never have on this computer, even though it is installed from
>>>the OEM bundle. I have always used Eudora. Is there any immunity factor
>>>by using something other that Outlook?
>>
>>   *I* think so, although you STILL don't open the attachment! <G>
>>
>>   The REAL immunity lies in using something else (Eudora in my case)
>>and keeping the Microsoft Outlook address book EMPTY! Nothing for the
>>virus to send to...
>

>Yes, Eudora is most helpful because it cant be automatically configured to
launch a .vbs bomb, but IF you DO run the .vb extension, AND you have
VSCRIPT.EXE in the windows directory, you are officially infected. It wont
do anything, but you are still contagious.
>
>You wont be sending out mailbombs, but who knows what other ways of
infection are written into the code (maybe not this one, but perhaps
another variation, etc.) via floppy, zipdrive, a lan, etc.
>
>

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558. [aprssig] Re: Now we've gotten of Topic...

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 13 Feb 2001 08:47:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134904-2001.02.13-19.55.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:38 AM 2/13/01 -0800, larry nimmons blasted the following out into the
ether:
>147.390+ new APRS packet frequency
>14.313 20 meters new aprs packet frequency
>according to ARRL,Those were the new APRS assigned new
>aprs frequency and allocated to us AMATEUR OPERATORS.
>
>73'S N4OBH

      How'd they distribute this information? It's definitely messed up...

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

559. [aprssig] Re: Now we've gotten of Topic...

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 13 Feb 2001 20:38:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134905-2001.02.13-20.05.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>   How'd they distribute this information? It's definitely messed up...

Can anyone verify that this actually came from ARRL and not RUPPE?
--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

560. [aprssig] Re: The BIG QSY.

From: Ed Lizard Rosen FF/EMTB <n3gxh@home.com>
Date: Tue, 13 Feb 2001 22:44:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134916-2001.02.13-21.59.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anytime one makes mention of 14.313 it has to be a joke.

--
 "Saving peoples' lives
  so they may live long enough
   to become witty."

  Ed Lizard Rosen FF/EMTB N3GXH/AAT3VT
  n3gxh@home.com

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561. [aprssig] GE MVS on 144.39

From: "Ray J. Vaughan" <ray@rayvaughan.com>
Date: Tue, 13 Feb 2001 23:06:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134918-2001.02.13-22.22.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering if anyone here has used a GE MVS on 144.390. I just got one: GE NPH20, 16 channel programmable 40 watt VHF MVS mobile with scan.

I've have excellent luck with it's older cousin, the Phoenix, but now I want to try it with the MVS. I know I'll need to get it programmed. We have a Niles programmer at our EOC. I think I've tried these before and it wasn't possible to take the new models below 150 MHz. I hope there's a work around.

If anyone is using one of these for APRS, please let me know.

Thanks

        Ray J. Vaughan, MS, CBTE, CERT
        KD4BBM PG-7-15266
        http://www.rayvaughan.com/
        ray@rayvaughan.com
        ray@2-way.com

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562. [aprssig] RE: APRS digi battery backup question / UPS

From: "Ray J. Vaughan" <ray@rayvaughan.com>
Date: Tue, 13 Feb 2001 23:38:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134920-2001.02.13-22.54.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:44 AM 2/13/01 -0700, you wrote:
>pk@ij.net reports:
>
>To those who are shopping for a UPS: advertised VA ratings on UPSs are
>"necessary" but not "sufficient" information. There is a slight correlation
>between the amp-hour capacity of the battery pack (the amount of stored
>energy) and the watt rating of the DC>AC inverter (the maximum energy
>depletion rate). This is analogous to the slight correlation between fuel
>tank size and engine horsepower in automobiles.

Here's my REAL basic test of any used UPS I find....

I charge it up for 24 hours. I connect the following:

1 100 W light bulb
1 old fashioned analog alarm clock

I set the clock to 12:00. Pull the plug and let the light bulb run it down. Come back in a few hours and see how far the clock got. Compare this to the manual for that size UPS to see if the run time .vs current looks about right.

Low tech I know, but it lets you know if there's a need for a new battery, or if you can get some more time out of the one you have now.

PS: Recycle your old batteries.   Don't just dump them in the garbage. There's too much lead for your landfill. Start a pile and take them where they're expecting them. Your battery dealer should take back your bad ones when you buy new ones.

Ray J. Vaughan, MS, CBTE, CERT
KD4BBM PG-7-15266
http://www.rayvaughan.com/
ray@rayvaughan.com
ray@2-way.com

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563. [aprssig] Re: Now we've gotten of Topic...

From: "Timothy Hardy" <tgh@mallardnet.com>
Date: Tue, 13 Feb 2001 15:24:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134860-2001.02.13-14.38.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry, I don't believe it. One of those is a repeater freq
and the other is used regularly by an SSB net. Is someone
deliberately trying to create confusion and perhaps
interference to the SSB net?

Tim, KC0PA

On Tue, 13 Feb 2001 07:38:16 -0800 (PST)
 larry nimmons <n4obh@yahoo.com> wrote:
> 147.390+ new APRS packet frequency
> 14.313 20 meters new aprs packet frequency
> according to ARRL,Those were the new APRS assigned new
> aprs frequency and allocated to us AMATEUR OPERATORS.
>
> 73'S N4OBH
>

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564. [aprssig] Re: Virus Question.

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Wed, 14 Feb 2001 00:16:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134923-2001.02.13-23.31.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: David VanHorn [mailto:dvanhorn@cedar.net]
> Sent: Tuesday, February 13, 2001 16:39 PM
   [snip]
> Exactly...
>
> The system was set up anticipating hackers, but I never got any.
> After three fails of the sysop password, it went into a
> routine that would let you in, no matter what password you
> used, after some number of tries (large, and random).
> What you were let into, was a COPY of the system. You had
> full privliges, and could do what you liked.
> When you logged off (or dropped carrier) the system would
> make a new copy from the (still safe) real files, then run the
> real files.
>
> ZCPR was wonderful!

   .... ahhhh fond memories, the elegant simplicity but great power of ZCPR ... glad to see I was not alone in be enamored of that system. I had a BBS running on Hitachi 180 baodr I got from MicroMint under ZCPR!

Loooonnnggg time ago ...

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565. [aprssig] APRS CE / E-Pod version

From: "John Bohman" <john@johns-house.com>
Date: Wed, 14 Feb 2001 00:54:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134940-2001.02.14-00.10.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a version of APRSCE that will work on the E-Pod's
HPC v2.11 mips

John Bohman N2PQV
Home: john@johnS-house.com
Web : www.johnS-house.com

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566. [aprssig] Re: APRS TOCALLS

From: <henk.de.groot@hetnet.nl>
Date: 14 Feb 2001 11:53:32 +0100
"Roger Barker" <roger@peaksys.co.uk>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134953-2001.02.14-05.08.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Roger.

>> The address can only be six characters. (Yes, I know the SSID could
theoretically be used, but the digits it can contain are limited). Most <<

You can't use the SSID since it is used for SSID digipeating already.

>> software products use three digit version numbers - WinAPRS is currently
in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
fourth character is used for product identification - APWW, APWU, or
whatever, then that only leaves two characters for the version number. <<

You're right here. I think it is a trade-off. You can apply some heuristics. For example if I see
destination adderess APZ023 then I'm pritty sure this is a DIGI_NED station. If I see APZ044 or APZ036
then I'm pritty sure this is Xastir where APZ04x is currently the experimental version. So I can
discriminate between those eventhough both share the "APZ" prefix currently.

I think you can discriminate the same way between APW248 and APW152 for example. The odds that APW152 is
 from a very old WinAPRS station is very low I think. Okay, it is not as good as a positive
identification but it is also not as bad as it looks. Somehow we have to deal with the limited primary
designations (meaning identification of the application by means of the third letter. We can go on with
the current scheme since APU or APV (V for View..) are still free, but we should not encorage more
writers to start writing software then...

Anyway, this are just ideas. I'm only in APRS for about 1 year and only purely as hobby, so I really
don't want to dictate anybody anything, its just a shared thought - either good or bad.

Kind regards,

Henk.

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567. [aprssig] Need help getting Southern California packets to internet....

From: "Jeff Ellis" <blue_ciaran@yahoo.com>
Date: Tue, 13 Feb 2001 16:37:02 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-134898-2001.02.13-19.04.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to get the right packet path setting in my TH-D7A(g) to allow my
wife to use findu.com to track my commute progress between Torrance and San
Bernardino California. I know that the local APRS do not allow anything but
WIDEn-N but I am not seeing my packets get though very well. I have tried
WIDE2-2 and WIDE3-3 all by its self in the packet path.

I would appreciate any help
Thanks everybody!

Jeff Ellis
K7JDE

_____

Do You Yahoo!?

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568. [aprssig] Re: Virus Question.

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 14 Feb 2001 00:22:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134925-2001.02.13-23.39.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>   .... ahhhh fond memories, the elegant simplicity but great power of
>ZCPR ... glad to see I was not alone in be enamored of that system. I
>had a BBS running on Hitachi 180 baodr I got from MicroMint under ZCPR!
>Looooonnnggg time ago ...

Ampro Little Board. Wonderful machine.
I did eventually put a Z-180 on it.
Retired it in '92 :(

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

569. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 09:09:01 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134971-2001.02.14-08.23.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Roger Barker wrote regarding the APXYzz version
convention where AP is fixed, X is the major category, and Y is a subset
within that category:

> If the reason for using the destination address to identify the software
> product is for debugging purposes / feature identification...
> ... most software products use three digit version numbers...
> If the fourth character is used for product identification
> whatever, then that only leaves two characters for the version number.

My thought is that there are over 46,000 Yzz combinations available.

There is nothing that requires the author to use a 1-for-1 mapping. In
fact, such use is innefficient since it only uses 999 of the 46,000
combinations available. I assume that authors can find many ways to
encode their version numbers in to unique combinations.

Using one byte for author or software project and then the remaining 2 for
version would give each author say 1296 versions before he needs to bump
up his project number. If one thinks he needs more than that, then he
asks for two or more of the project characters.

Hope that helps...

bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

570. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Wed, 14 Feb 2001 09:14:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: henk.de.groot@hetnet.nl
Message-ID: <LYR842-134989-2001.02.14-09.40.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Is there anything in the spec that prevents using the second
character ("P") aside from the AP definition itself? If all that AP does
is indicating that a sofware indicator follows, then perhaps we could
use only
one character to indicate this, say "S" or something like that. S023DN
could indicate DIGI_NED version 023, S152UI for UI-View, S248WA for
WinAPRS, S101KW for the Kenwood, S844AD for APRS DOS, etc.. If I'm not
mistaken, the Maidenhead Grid locator always starts with two letters, so
that wouldn't be a problem I think.

73s,
--Alex

henk.de.groot@hetnet.nl wrote:
>
> Hello Roger.

> >> software products use three digit version numbers - WinAPRS is currently
> in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
> fourth character is used for product identification - APWW, APWU, or
> whatever, then that only leaves two characters for the version number. <<
>
> You're right here. I think it is a trade-off. You can apply some heuristics. For example if I see
destination adderess APZ023 then I'm pritty sure this is a DIGI_NED station. If I see APZ044 or APZ036
then I'm pritty sure this is Xastir where APZ04x is currently the experimental version. So I can
discriminate between those eventhough both share the "APZ" prefix currently.

> Kind regards,
>
> Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

571. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 10:56:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        Henk de Groot <henk.de.groot@hetnet.nl>
Message-ID: <LYR842-134997-2001.02.14-10.10.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The AP is the wildcard. You cant change it without obsoleteing every
existing piece of code out there, including the D7 and D700's.

bob

On Wed, 14 Feb 2001, Alex wrote:

> Hi there,
>
> Is there anything in the spec that prevents using the second
> character ("P") aside from the AP definition itself? If all that AP does
> is indicating that a sofware indicator follows, then perhaps we could
> use only
> one character to indicate this, say "S" or something like that. S023DN
> could indicate DIGI_NED version 023, S152UI for UI-View, S248WA for
> WinAPRS, S101KW for the Kenwood, S844AD for APRS DOS, etc.. If I'm not
> mistaken, the Maidenhead Grid locator always starts with two letters, so
> that wouldn't be a problem I think.
>
> 73s,
> --Alex
>
>
> henk.de.groot@hetnet.nl wrote:
> >
> > Hello Roger.
>
> > >> software products use three digit version numbers - WinAPRS is currently
> > > in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
> > > fourth character is used for product identification - APWW, APWU, or
> > > whatever, then that only leaves two characters for the version number. <<
> >
> > You're right here. I think it is a trade-off. You can apply some heuristics. For example if I
> see destination adderess APZ023 then I'm pritty sure this is a DIGI_NED
> station. If I see APZ044
> or APZ036 then I'm pritty sure this is Xastir where APZ04x is currently
> the experimental
> version. So I can discriminate between those eventhough both share the
> "APZ" prefix currently.
>
> > Kind regards,
> >
> > Henk.
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

572. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@earthlink.net>
Date: Wed, 14 Feb 2001 11:27:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-135006-2001.02.14-10.37.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think it is that dramatic. The "S" wildcard (or any wildcard for
that matter) could be added and can co-exist with the AP wildcard. Just
like the many other wildcards that are defined in the current spec.

Besides, code is there to be updated (and cause problems of course :)).
Nothing is standing in Kenwood's way to use a new format in future
releases, and the same goes for any other product. The current AP
wildcard is still valid, but we could enhance it if we choose to.

So instead of changing the AP, can we introduce a new one that addresses

the issues Roger Barker described?

Just a thought...

73s,
--Alex

Bob Bruninga wrote:
>
> The AP is the wildcard. You cant change it without obsoleteing every
> existing piece of code out there, including the D7 and D700's.
>
> bob
>
> On Wed, 14 Feb 2001, Alex wrote:
>
> > Hi there,
> >
> > Is there anything in the spec that prevents using the second
> > character ("P") aside from the AP definition itself? If all that AP does
> > is indicating that a sofware indicator follows, then perhaps we could
> > use only
> > one character to indicate this, say "S" or something like that.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

573. [aprssig] Andy Ruppe strikes again.

From: Jim Duncan <ku0g@kcaprs.org>
Date: Wed, 14 Feb 2001 10:18:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135009-2001.02.14-10.38.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do a trace back on the message originated by SILENT KEY, Larry Nimmons.
I've reported this to Yahoo Abuse. Stan H: Time to block this user's
postings....
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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574. [aprssig] Re: APRS TOCALLS

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 14 Feb 2001 09:55:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135017-2001.02.14-11.09.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm wondering what use "APK" is when Kenwoods use this type of format:

xxnxxx-m>SY3VTX,FTCOL,KK7CN-8*:'pR9l#Ek/]"Fb}

***

APi for iCom (whenever that becomes justified) would sort of avoid a conflict
with API for ICQ.

73,
Tony KD7TA

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575. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 13:52:48 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135049-2001.02.14-13.08.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Roger Barker wrote:

> No, not really. But, given that it's only a couple of days since you
> proposed that I should use "APUxxx" for UI-View, and now you appear to
> be proposing that I should use APW?xx I'm having trouble keeping up! ;-)

Actually, somone else came up with that suggestion. I assumed you would
rather keep APU... but if another author came up and wanted to use
something in the APU series, then between the two of you, you would have
to divvy up the address space..

At least that is the way I am thinking is the most equitable...

bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

576. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 13:54:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135050-2001.02.14-13.09.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Alex wrote:

> I don't think it is that dramatic. The "S" wildcard (or any wildcard for
> that matter) could be added and can co-exist with the AP wildcard. Just
> like the many other wildcards that are defined in the current spec.

No, none of the kenwoods nor any other APRS software that supports
ALTNETS would receive that packet. They would ignore it. These APRS
recognized TOCALL blocks must match the spec, or there is no guarantee
that other software will recognize them...

bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

577. [aprssig] The good, bad and ugly. Improperly formed packets?

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Wed, 14 Feb 2001 13:04:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135054-2001.02.14-13.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following packets came across second.aprs.net this morning:

CX-3*:!3919.53NN12316.42W#PHG5720/A=003300/WIDEn,N,12151.210,W,00.0,000.IAH
O'BRK6FOH>SWBD*,WIDE2-1:=3646.47N/12143.74W-17.25N/1

6CP-1*,WIDE5-2:!3444.00NWA6JJA-3>APRS,N6CP-1*,WIDE3:!3517.03NN119.!qs>/]r000p000P000h34b10182wPIC-WX

AC6JA-14-3*:_02141723c078s000g006CX-3*,WIDE:'28Oo]n>/]""4Q}Steve'RMC,1722-3*,KD6WXD-2,K6BIV-3:/241200z37
48.65N/12225.02W/SS JEREM"

I assume they are the result of a packet collisions?

The following packets appear to have a "*" as part of the SSID, is this legal?

VE6OLD-15*>APRS,RELAY,WIDE:$GPRMC,183428,A,5216.281,N,11348.673,W,000.0,307.7,14
VE6DJJ-14*>GPSLU,WIDE3-3:$GPRMC,184158,A,5217.365,N,11348.977,W,000.0,359.7,1402

Rich - Wn0x

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

578. [aprssig] Breaking news: Virus Information...

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Wed, 14 Feb 2001 20:16:10 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135059-2001.02.14-13.30.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

As already posted here it was assumed that the Anna Kournikova virus that
also hit this list was originated from The Netherlands. This is now proven
to be true. This evening in the car I heard in the news that the 20 year old
bloke who wrote this virus and lives in the north part of The Netherlands
turned himself in today. The police has enough reason to believe his story
is true and he really wrote this damn thing and not a prankster who made up
the story.

According to the news he was shocked when he learned how fast his creation
got out of control and spread like wildfire over The Internet. I guess the
justice system will now deal with this. Maybe this is some relief for those
who were hit by it...

Kind regards,

Henk.

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579. [aprssig] Re: Handspring Visor pinouts needed

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 14 Feb 2001 21:59:36 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134955-2001.02.14-05.14.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Feb 12, 2001 at 09:16:08AM +0000, Reynaldo M Fimbres wrote:
> Now that the Visor Palm Style PIMS are out,
> I could not resist blending my Visor with the rest
> of my radio gear. APRS and other digital modes
> really have got my interest. I have not recieved
> any word from Handspring about the wherabouts of any
> technical information such as schematics, serial port
> pinouts,ect.
>
> If you know where I can get information for the
> Handspring Visor - PLEASE, let me know.

Check out www.markspace.com for cables and connectors.

Mind you, mine has been on order for over a month.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

580. [aprssig] Re: APRS TOCALLS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 14 Feb 2001 14:46:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <LYR842-135066-2001.02.14-14.00.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And an excellent thought to boot Alex

> -----Original Message-----
> Subject: [aprssig] Re: APRS TOCALLS
>
> I don't think it is that dramatic. The "S" wildcard (or any wildcard for
> that matter) could be added and can co-exist with the AP wildcard.
>
> Besides, code is there to be updated (and cause problems of course :)).
> Nothing is standing in Kenwood's way to use a new format in future
> releases, and the same goes for any other product.
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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581. [aprssig] Re: APRS TOCALLS

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 14 Feb 2001 15:15:46 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135000-2001.02.14-10.27.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <Pine.GSO.4.05L.10102140856070.19633-100000@arctic>, Bob
Bruninga <bruninga@usna.edu> writes
[snip]
[A problem with the current configuration of Lyris is that
you sometimes can't leave enough quoted text to show the flow
of the conversation.]
>My thought is that there are over 46,000 Yzz combinations available.
>There is nothing that requires the author to use a 1-for-1 mapping. In
>fact, such use is innefficient since it only uses 999 of the 46,000
>combinations available. I assume that authors can find many ways to
>encode their version numbers in to unique combinations.
>
>Using one byte for author or software project and then the remaining 2 for
>version would give each author say 1296 versions before he needs to bump
>up his project number. If one thinks he needs more than that, then he
>asks for two or more of the project characters.
>
>Hope that helps...

No, not really. But, given that it's only a couple of days since you
proposed that I should use "APUxxx" for UI-View, and now you appear to
be proposing that I should use APW?xx I'm having trouble keeping up! ;-)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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582. [aprssig] Re: APRS TOCALLS

From: B Keyport <bkeyport@qwest.net>
Date: Wed, 14 Feb 2001 13:12:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-135080-2001.02.14-15.26.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>If the reason for using the destination address to identify the software
>product is for debugging purposes / feature identification (a cynic
>might suggest it is for product advertising), then there is a problem
>with the above proposal:-
>

>The address can only be six characters. (Yes, I know the SSID could
>theoretically be used, but the digits it can contain are limited). Most
>software products use three digit version numbers - WinAPRS is currently
>in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
>fourth character is used for product identification - APWW, APWU, or
>whatever, then that only leaves two characters for the version number.
>Many users will know from personal experience/frustration that version
>x.x.9 of a product can have a whole different set of bugs to version
>x.x.1, but the destination address would not be able to identify the
>minor version.

Quite simply, why have the AP header at all?

PVVMmT

P = Product,
VV = Version
M = Major Revision
m = Minor..
T = Type of Command

WinAPRS 2.4.8 would be W0248(typecode)
APRS+SA 1.2.3 would be S0123(typecode)
and so on...

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583. [aprssig] Re: APRS TOCALLS

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 14 Feb 2001 08:55:32 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134952-2001.02.14-03.13.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-134850-2001.02.13-14.03.22--roger#peaksys.co.uk@list
s.tapr.org>, Henk de Groot <henk.de.groot@hetnet.nl> writes
>Hello Alex, Bob,
>
>I've been contacted personally. I send in my proposal, I guess that's why
>APN now reads "network nodes, digis".
>
>Here is my consideration for using that, either excusive or as kind of
>"class". I think the latter would be better. That means that Xastir can use
>APX as belonging to the class of XWindows programs and UIview would be APW
>since it is Windows based.

If the reason for using the destination address to identify the software
product is for debugging purposes / feature identification (a cynic
might suggest it is for product advertising), then there is a problem
with the above proposal:-

The address can only be six characters. (Yes, I know the SSID could
theoretically be used, but the digits it can contain are limited). Most
software products use three digit version numbers - WinAPRS is currently
in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
fourth character is used for product identification - APWW, APWU, or
whatever, then that only leaves two characters for the version number.
Many users will know from personal experience/frustration that version
x.x.9 of a product can have a whole different set of bugs to version
x.x.1, but the destination address would not be able to identify the
minor version.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

584. [aprssig] Man Portable APRS

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Wed, 14 Feb 2001 08:30:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134961-2001.02.14-07.45.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

Others have probably made a better one than this but here's my attempt at
making a 'pedestrian' APRS system for use on foot rather than in a car.

http://www.g7ltt.com/aprs/tracker.htm

Mark Phillips, G7LTT/KC2ENI
New York, NY - 11103
40' 45.781N 073' 54.472W
http://www.g7ltt.com

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

585. [aprssig] RE: APRS digi battery backup question / UPS

From: "Richard Amirault" <ramirault@erols.com>
Date: Wed, 14 Feb 2001 17:01:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135086-2001.02.14-16.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gee! To me an "old fashioned analog alarm clock" is one that uses a key in
the back to wind it up!

Guess I'm just a bit "older" than you! ;-)

Richard Amirault N1JDU Boston,
MA, USA
www.erols.com/ramirault "Go Fly A Kite"
----- Original Message -----
From: "Ray J. Vaughan" <ray@rayvaughan.com>
Subject: [aprssig] RE: APRS digi battery backup question / UPS

> 1 old fashioned analog alarm clock
>
> I set the clock to 12:00. Pull the plug and let the light bulb run it
down. Come back in a few hours and see how far the clock got

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586. [aprssig] Fwd: [TEACHERS:55] help wanted (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 08:46:06 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134962-2001.02.14-08.01.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THis was on the AMSAT BB. Anyone in St. Louis interested?

---------- Forwarded message ----------
From: "Ken Chaffeee, WA1QXR" <kenc@pop3.riconnect.com>
>
>Are you going to the National Science Teacher's National Convention in St.
>Louis in March? Perhaps you'd be willing to help me out.
> I'm looking for teachers who'd be interested in helping staff the
>ARRL/NASA booth. In exchange for your help, registration will be paid for
>your attendance at the entire convention. In addition, ARRL will take care
>of your lunch for the day you assist.
> We need someone who can give a 10-second hype about why a teacher would
>want to use ham radio in the classroom. (It's simple - If you like, I'll
>show you how.)
> The best benefit of all is the fact that we'll be physically located in
>the NASA area, where the best materials and tools are always found ... great

>posters, bookmarks, CD-Roms, lesson plans, lithographs, and more. (Last
>year, we were adjacent to the EVA Space Suit Presentation. We watched the
>technicians demonstrate the space suit -- used in every outside space walk
>on Mir and the Shuttles - several times a day.)
>   If this is a possibility for you, please let me know ASAP. Dates for
>the convention are March 22-25, 2001.
>
>Thank you in advance.
>Margie Bourgoin, KB1DCO
>ARRL, Educational Correspondent

Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

587. [aprssig] Re: APRS TOCALLS

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Wed, 14 Feb 2001 16:08:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135089-2001.02.14-16.38.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I own a THD7AG and my Kenwood docs say that they use the APKxxx like this:

APK001   -   Version 1.0 firmware in the TNC
APK002   -   Version 2.0 firmware in the TNC (mine has version 2, for
example).

Here is some data from FindU raw packets from my weekend trip. I notice
that there is some APK001 stuff, although I think mine is set for APK002.
Can't check because battery is dead right now..

KD5MHM-14>APRS,TCPIP*,KB5WIO*:@130707z3200.18N/10207.21Wk293/034/Mic-E/M1/En
route>"=H}

KD5MHM-14>APK001,KD7DR-3*,WIDE7-1:@121801z3200.18N/10207.21Wk293/034/Mic-E/M
1/Enroute>"=H}

KD5MHM-14>APK,APS:@130803z3200.19N/10207.23Wk293/039/TH-D7/M1/ENROUTE>"=H}
/A=002848

Hope that helps clarify (or not) on the Kenwood stuff...

Scott
KD5MHM

----- Original Message -----
From: "Tony Arnerich" <tarnerich@in-situ.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 14, 2001 10:55 AM
Subject: [aprssig] Re: APRS TOCALLS

> I'm wondering what use "APK" is when Kenwoods use this type of format:
>
> xxnxxx-m>SY3VTX,FTCOL,KK7CN-8*:'pR9l#Ek/]"Fb}
>
> ***
>
> APi for iCom (whenever that becomes justified) would sort of avoid a

conflict
> with API for ICQ.
>
> 73,
> Tony KD7TA
>
>
>
> ---
> You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
> To unsubscribe send a blank email to leave-aprssig-22263V@lists.tapr.org
>ßÑ»stions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

588. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@amsat.org>
Date: Wed, 14 Feb 2001 10:06:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-134983-2001.02.14-09.15.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Perhaps the number could be a release number, rather than a version
number. Release numbers can be translated into version numbers by
whoever has a need for this information for debugging purposes.

73s,
--Alex

Bob Bruninga wrote:

> Using one byte for author or software project and then the remaining 2 for
> version would give each author say 1296 versions before he needs to bump
> up his project number. If one thinks he needs more than that, then he
> asks for two or more of the project characters.
>
> Hope that helps...
>
> bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

589. [aprssig] Re: APRS TOCALLS

From: Alex <kg4ecv@earthlink.net>
Date: Wed, 14 Feb 2001 10:08:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Henk de Groot <henk.de.groot@hetnet.nl>
Message-ID: <LYR842-134985-2001.02.14-09.18.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Is there anything in the spec that prevents using the second
character ("P") aside from the AP definition itself? If all that AP does
is indicating that a sofware indicator follows, then perhaps we could
use only
one character to indicate this, say "S" or something like that. S023DN
could indicate DIGI_NED version 023, S152UI for UI-View, S248WA for
WinAPRS, S101KW for the Kenwood, S844AD for APRS DOS, etc.. If I'm not
mistaken, the Maidenhead Grid locator always starts with two letters, so
that wouldn't be a problem I think.

73s,
--Alex

henk.de.groot@hetnet.nl wrote:
>
> Hello Roger.

> >> software products use three digit version numbers - WinAPRS is currently
> in the 2.4.x series, UI-View32 is in the 1.5.x series, etc. If the
> fourth character is used for product identification - APWW, APWU, or
> whatever, then that only leaves two characters for the version number. <<
>
> You're right here. I think it is a trade-off. You can apply some heuristics. For example if I
see destination adderess APZ023 then I'm pritty sure this is a DIGI_NED
station. If I see APZ044
or APZ036 then I'm pritty sure this is Xastir where APZ04x is currently
the experimental
version. So I can discriminate between those eventhough both share the
"APZ" prefix currently.

> Kind regards,
>
> Henk.

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590. [aprssig] Re: APRS TOCALLS

From: Joel Maslak <jmaslak@antelope.net>
Date: Wed, 14 Feb 2001 16:48:18 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135097-2001.02.14-17.56.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Bob Bruninga wrote:

> No, none of the kenwoods nor any other APRS software that supports
> ALTNETS would receive that packet. They would ignore it. These APRS

Exactly! This is one area that I think the spec thought out well.

I think Bob is right on these issues.

What is wrong with having FooAPRS 3.21 encoded as APK3B2, if there happens
to be a lookup table somewhere where you can easily lookup what that is?

I'd almost prefer if we just started sequentially assigning these numbers,
with a new one issued every time someone requested one. I doubt we would
run out (obviously skipping over current ones that are actually used - so
we wouldn't use APK001 or APK002, but APK003 is free for the taking). It
would be sort of like call sign allocation... My calculations tell me
that there would be something like 1,632,960 non-experimental to-calls
available.

How these are assigned has almost nothing to do with network performance!
But, it does touch on an issue us hams don't like: sharing community
resources. Personally, I have no problem sharing a "TOCALL block" for my
software (you note that I am using an experimental one until there is
actually a user base for it) - I have never considered that the TOCALL was
useful for anything other than "vanity" purposes.

--
Joel Maslak
N7XUC

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591. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 14:36:45 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135063-2001.02.14-13.51.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are the inputs and resesrvations we have seen on the TOcalls as
shown below. I will move this discussion over to the APRSpec list and
when there is no more discussion, then submit it to the APRSwg for
consideration...

> APA Alinco, etc
> APC Windows CE
> APD APRSd
> APG Gates, etc
> APH HamHud
> API Icom and ICQ
> APJ JavaAPRS,JeAPRS,etc
> APK Kenwood
> APM MacAPRS
> APN Network nodes, digis, etc
> APP pocketAPRS
> APR APRSdos,etc
>   APRTLM used my MIM's and Mic-lites, etc
> APS APRS+SA
> APT TinyTrack,
>   APTV for ATV/APRN and SSTV applications
> APU UIview
> APW WinAPRS
> APX Xaprs,Xastir etc
> APY Yeasu(tbd)
> APZ Experimental
>   APZPAD Smart Palm

My suggestion will be that these are not necessarily exclusive and
authors are encouraged to find ways to accomodate others desiring to use
the same major address block. If anyone would need a new series and if
the subbolock was already in use, then the WG would suggest that they
coordinate with the other authors of that block to arrive at a mutually
agreeable arrangement.

Or something to that effect.
Bob, WB4APR

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592. [aprssig] Re: The good, bad and ugly. Improperly formed packets?

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Wed, 14 Feb 2001 17:47:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135110-2001.02.14-19.02.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The '*' at the end of the SSID is as a result of the use of an AEA TNC
at the IGATE....that is how the TNC denotes "heard" stations......

Cheers,
Tino - VE6SZR
Calgary, Alberta

Rich Beckwith wrote:

>
> VE6OLD-15*>APRS,RELAY,WIDE:$GPRMC,183428,A,5216.281,N,11348.673,W,000.0,307.7,14
> VE6DJJ-14*>GPSLU,WIDE3-3:$GPRMC,184158,A,5217.365,N,11348.977,W,000.0,359.7,1402
>
> Rich - Wn0x
>
> ---
> You are currently subscribed to aprssig as: sarrov@telusplanet.net
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593. [aprssig] IC-706MKIIG " DATA " Connector; REVISITED

From: WA4TKGMatt@aol.com
Date: Wed, 14 Feb 2001 21:46:21 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135118-2001.02.14-21.01.53--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I would like to hear from anyone who has wired up to this packet connector.

Have you gotten USEABLE signal levels off the air, for HF use ?

I was wired to this connector once, and never received any signals that
evening.
Don't have the cable any more.....if I can get wired into this connector, it
leaves the 13 pin DIN open for other uses.

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594. [aprssig] Re: APRS TOCALLS

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Wed, 14 Feb 2001 14:22:41 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135088-2001.02.14-16.37.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tony Arnerich said:
>APi for iCom (whenever that becomes justified) would sort of avoid a
conflict
>with API for ICQ.

Unfortunatly, upper vs. lower case is not a choice when setting information
related to callsigns. This is limited by the AX.25 protocol specs.

73, Bob

Robert Donnell, KD7NM   (206) 542-7661
18828 Midvale Ave N   mailto:kd7nm@pugetsound.net
Shoreline, WA 98133
       Western Washington Amateur IP Address Coordinator

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595. [aprssig] Circle around icon in WinAPRS

From: Skip Allison <sallison@megsinet.net>
Date: Wed, 14 Feb 2001 22:45:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135130-2001.02.14-23.01.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody know why WinAPRS would draw a 500 ft dia circle around a station
icon in WinAPRS 2.4.7?
Hers's the raw packet:
KB9MQX-9>APK,APS:@150326z4156.40N/08742.21W>015/000/TH-D7/M0/OFF
DUTY>"67}-/A=000702

Skip
K9SA

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596. [aprssig] Re: APRS Sig posts taking over 4 hours to show up?

From: "The Germino's" <mgermino@inreach.com>
Date: Wed, 14 Feb 2001 22:03:41 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135159-2001.02.15-00.23.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On this list lately I have seen a couple of "Re:" a subject before the
subject appeared on the list, on my screen, but you know since I left DOS I
try to not be bothered by everything that goes wrong......It would drive me
Crazy. HIHI

Mike
AD6AA

Subject: [aprssig] APRS Sig posts taking over 4 hours to show up?

> Earlier today I sent this post and it seems to have taken over 4+ hours to
> show back up. Is this typical or perhaps a problem with my ISP?
>
> Any thoughts?
> Has anyone else expreienced this same time-delay?
>
> Scott
> KD5MHM
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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597. [aprssig] APRS Sig posts taking over 4 hours to show up?

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Wed, 14 Feb 2001 21:08:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135121-2001.02.14-21.23.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earlier today I sent this post and it seems to have taken over 4+ hours to
show back up. Is this typical or perhaps a problem with my ISP?

Any thoughts?
Has anyone else expreienced this same time-delay?

Scott
KD5MHM

My "Sent Items" header:
> ----- Original Message -----
> From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
> To: "TAPR Org - APRS Sig" <aprssig@lists.tapr.org>
> Sent: Wednesday, February 14, 2001 4:08 PM
> Subject: Re: [aprssig] Re: APRS TOCALLS
> I own a THD7AG and my Kenwood docs say that they use the APKxxx like this:

My "Inbox" shows that it finally arrived back at 8:52PM...

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598. [aprssig] Not making it into the feed?

From: Joel Maslak <jmaslak@antelope.net>
Date: Wed, 14 Feb 2001 22:15:45 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135136-2001.02.14-23.22.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My packets are hitting at least two Igates - one only 50 feet away from
this stations. However, they don't seem to be showing up on the Internet
feed (according to Findu, anyhow).

Here's an example packet:
N7XUC-2>APZPAD,WIDE2-2:@050500z4118.40N/10534.56W>{CR}

Note that the {CR} at the end is actually a transmitted CR control
character.

What's wrong with this packet? I'm having similar problems with the one
line messages from this station.

--
Joel Maslak
N7XUC

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599. [aprssig] Loops.

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Wed, 14 Feb 2001 22:42:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135142-2001.02.14-23.56.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Noticing the following loop this evening on the TCPIP stream...over and
over again...

AJ0A>APW248,WIDE::KI0PY   :Hi Kevin. If you get this, please call me
at the office{000
aprsdCHO>APD214,TCPIP*::USERLIST :Charlottesville_VA: Disconnected from
aa2ys.

Tino, VE6SZR

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600. [aprssig] WinAPRS Coverage circles

From: Skip Allison <sallison@megsinet.net>
Date: Wed, 14 Feb 2001 23:45:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135156-2001.02.15-00.01.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know hot WinAPRS calculates coverage circles? There appears
to be a bug in the calculation. I found if the antenna gain is 0 it
doesn't draw a circle at all. If you change the gain in the PHG to 1 it
draws a reasonable circle.

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

601. [aprssig] Unhanded Exception in WinAPRS 2.4.8

From: "Michael Francoeur" <n1naf@mint.net>
Date: Thu, 15 Feb 2001 05:39:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135178-2001.02.15-04.51.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just checked my monitor this am and noticed that WinAPRS died over the
night. I had my logging on and have the following data as the cause:

K3FOR-2>APR842,GATE,WIDE,WIDE/H::K3~o-1
?o>88;~{\HX□;o?~0000sO{?D~27□sx9nOn~|=3902.82N/07629.50W-PHG9230/Skip HF
portable
K3FOR-2>APR842,GATE,WIDE,WIDE/H::K3~o-1
?o>88;~{\HX□;o?~0000sO{?D~27□sx9nOn~|=3902.82N/07629.50W-PHG9230/Skip HF
porK3FOR-2>APR842,GATE,W1PIG*,WIDE/V::K3~o-1
?o>88;~{\HX□;o?~0000sO{?D~27□sx9nOn~|=3902.82N/07629.50W-PHG9230/Skip HF
portable

This was received via 30 meters.

I reloaded my log file twice and each time WinAPRS died. I've removed the
above lines and everything loads fine.

Did anyone else noticed this?

- Mike/N1NAF

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602. [aprssig] Precision Mapping 3.5 problem with Win 95 and WinAPRS 2.4.8

From: "Michael Francoeur" <n1naf@mint.net>
Date: Thu, 15 Feb 2001 05:42:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135182-2001.02.15-04.55.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone else having problems running PM 3.5 using WinAPRS 2.4.8 and Win 95?
When I run 2.4.8, I receive an error window saying that it failed opening
the pmap ocx control. When I put 2.4.7 back on the machine, PM works great.

- Mike/N1NAF

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603. [aprssig] Re: WinAPRS Coverage circles

From: "hasan schiers" <schiers@netins.net>
Date: Thu, 15 Feb 2001 09:48:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135252-2001.02.15-10.23.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's been that way for years.

Put in a false low number, just as you discovered.

73,

hasan

----- Original Message -----
From: "Skip Allison" <sallison@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 14, 2001 11:45 PM
Subject: [aprssig] WinAPRS Coverage circles

> Does anyone know hot WinAPRS calculates coverage circles? There appears
> to be a bug in the calculation. I found if the antenna gain is 0 it
> doesn't draw a circle at all. If you change the gain in the PHG to 1 it
> draws a reasonable circle.
>
> Skip
> K9SA
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

604. [aprssig] Re: WinAPRS Coverage circles

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Thu, 15 Feb 2001 11:13:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-135259-2001.02.15-10.36.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The calculations are based on what Bob Bruninga did, and, to the best
of my knowledge, are exactly the same as his calculations..

I can look up the exact calculations if anyone cares. It is based on

some research done by the military a LONG time ago, and is used for
APPROXIMATE estimates..

Keith

>Does anyone know hot WinAPRS calculates coverage circles? There appears
>to be a bug in the calculation. I found if the antenna gain is 0 it
>doesn't draw a circle at all. If you change the gain in the PHG to 1 it
>draws a reasonable circle.
>
>Skip
>K9SA
>
>---
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>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

Keith Sproul   ksproul@rci.rutgers.edu   WU2Z
Student Housing Network Coordinator   732 445-3695 W
Rutgers University Computing Services   732 821-4828 H

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

605. [aprssig] APRSdata Servers

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 14 Feb 2001 10:53:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-134995-2001.02.14-10.08.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have updated the USA MAP of data servers serving out Satellite tracking
info and other local resources for the tiny-web-pages in the D7 and
D700's.

    http://web.usna.navy.mil/~bruninga/satinfo.html

I also confirmed those that I can see via APRServe below. I would ask
that SYSOPS use the INFO-SERVER Icon though, to make them easier to find.
By using the one consistent Icon, then it makes it trivial to
locate and display only the servers. Right now, only 4 of the below
servers are using the INFO SERVER icon... If you have any inputs or
corrections to the map or this table, let me know.

SERVERS Seen on APRServe
------- ----------------
N9IDH   yes
VK2XJG-2   yes but had wrong date
N4BSA-3   yes but had wrong date
N0BKB-3   yes
KB8VDT-1   yes
K5WH-8   yes
W3SMK   yes
VE3DOH   yes
VE3KSR   yes
KD4MOJ   no
NA4V   no
K0STL   no
WB8WOR   no
KD3OG   no
N2ZWD   no
N0KQX   no

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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606. [aprssig] Re: WinAPRS Coverage circles

From: "John Willis" <data-day@server.data-day.com>
Date: Thu, 15 Feb 2001 11:07:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135275-2001.02.15-11.20.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, this makes sense. If the gain is zero, that is no antenna at all,
so no coverage.
John Willis
jwillis@data-day.com
"If you obey all the rules, you'll miss all the fun"

----- Original Message -----
From: "Keith Sproul" <ksproul@rci.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Thursday, February 15, 2001 10:13 AM
Subject: [aprssig] Re: WinAPRS Coverage circles

> The calculations are based on what Bob Bruninga did, and, to the best
> of my knowledge, are exactly the same as his calculations..
>
> I can look up the exact calculations if anyone cares. It is based on
> some research done by the military a LONG time ago, and is used for
> APPROXIMATE estimates..
>
> Keith
>
> >Does anyone know hot WinAPRS calculates coverage circles? There appears
> >to be a bug in the calculation. I found if the antenna gain is 0 it
> >doesn't draw a circle at all. If you change the gain in the PHG to 1 it
> >draws a reasonable circle.
> >
> >Skip
> >K9SA
> >
> >---
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> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> Keith Sproul ksproul@rci.rutgers.edu WU2Z
> Student Housing Network Coordinator 732 445-3695 W
> Rutgers University Computing Services 732 821-4828 H
>
> ---
> You are currently subscribed to aprssig as: jwillis@data-day.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

607. [aprssig] Re: WinAPRS Coverage circles

From: <greg@snoopy.gwr.com>
Date: Thu, 15 Feb 2001 12:16:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <aprssig@tapr.org>
Message-ID: <LYR842-135281-2001.02.15-11.39.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 15 Feb 2001, John Willis wrote:

> Actually, this makes sense. If the gain is zero, that is no antenna at all,
> so no coverage.
> John Willis
> jwillis@data-day.com

No, antenna gain is a measure of the differnce between two radiators,
usually referenced over a 1/4 wave whip or the theoretical isotropic

radiator. 0db gain means that there's no improvement over the reference,
not that there is no power radiated.

Greg

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608. [aprssig] Re: WinAPRS Coverage circles

From: "John Willis" <data-day@server.data-day.com>
Date: Thu, 15 Feb 2001 11:48:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135286-2001.02.15-12.01.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to those who replied. My previous dashed off answer was, let us say,
incomplete. I was giving a programmers answer to an engineering group. The
PHG factor is a multiplier. Multiply by zero and you get?
John Willis
jwillis@data-day.com
"If you obey all the rules, you'll miss all the fun"

----- Original Message -----
From: "Keith Sproul" <ksproul@rci.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Thursday, February 15, 2001 10:13 AM
Subject: [aprssig] Re: WinAPRS Coverage circles

> The calculations are based on what Bob Bruninga did, and, to the best
> of my knowledge, are exactly the same as his calculations..
>
> I can look up the exact calculations if anyone cares. It is based on
> some research done by the military a LONG time ago, and is used for
> APPROXIMATE estimates..
>
> Keith
>
> >Does anyone know hot WinAPRS calculates coverage circles? There appears
> >to be a bug in the calculation. I found if the antenna gain is 0 it
> >doesn't draw a circle at all. If you change the gain in the PHG to 1 it
> >draws a reasonable circle.
> >
> >Skip
> >K9SA
> >
> >---
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> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> Keith Sproul ksproul@rci.rutgers.edu WU2Z
> Student Housing Network Coordinator 732 445-3695 W
> Rutgers University Computing Services 732 821-4828 H
>
> ---
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609. [aprssig] Re: WinAPRS Coverage circles

From: "John Willis" <data-day@server.data-day.com>
Date: Thu, 15 Feb 2001 11:48:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135287-2001.02.15-12.02.36--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Thanks to those who replied. My previous dashed off answer was, let us say,
incomplete. I was giving a programmers answer to an engineering group. The
PHG factor is a multiplier. Multiply by zero and you get?
John Willis
jwillis@data-day.com
"If you obey all the rules, you'll miss all the fun"

----- Original Message -----
From: "Keith Sproul" <ksproul@rci.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Thursday, February 15, 2001 10:13 AM
Subject: [aprssig] Re: WinAPRS Coverage circles

> The calculations are based on what Bob Bruninga did, and, to the best
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> Keith Sproul ksproul@rci.rutgers.edu WU2Z
> Student Housing Network Coordinator 732 445-3695 W
> Rutgers University Computing Services 732 821-4828 H
>
> ---
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610. [aprssig] Re: APRS TOCALLS

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 15 Feb 2001 13:27:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135296-2001.02.15-12.41.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Joel Maslak wrote:
>
> > No, none of the kenwoods nor any other APRS software that supports
> > ALTNETS would receive that packet. They would ignore it....
>
> Exactly! This is one area that I think the spec thought out well.
>
> I'd almost prefer if we just started sequentially assigning these numbers,
> with a new one issued every time someone requested one. I doubt we would
> run out (obviously skipping over current ones that are actually used - so
> we wouldn't use APK001 or APK002, but APK003 is free for the taking).

I dont think that would work. THat would mean that before anyone anywhere
released ANY code, he would have to check with some central registry that
would have to be up-to-the-minute before he could get a number. Quite
unworkable.   The current system where authors reserve a block of numbers
lets them do their own thing without dependence on a bureaucracy...

> ... I have never considered that the TOCALL was useful for anything
> other than "vanity" purposes.
> Joel Maslak   N7XUC

Its main purpose is as a front end Traffic filter.

1) It lets you monitor for APRS packets on NON-APRS channels without your
APRS program becoming overloaded with thousands of other packets such as
BBSs and Nodes....

2) It lets your local group operate an ALTNET on the freuqency without
cluttering everyone elses's maps and logs, and databases...

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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611. [aprssig] Re: Circle around icon in WinAPRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 15 Feb 2001 13:46:03 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135298-2001.02.15-13.01.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Skip Allison wrote:

> Anybody know why WinAPRS would draw a 500 ft dia circle around a station
> icon in WinAPRS 2.4.7?
> Hers's the raw packet:
> KB9MQX-9>APK,APS:@150326z4156.40N/08742.21W>015/000/TH-D7/M0/OFF
> DUTY>"67}-/A=000702

That is not the "raw" packet, that is the WinAPRS "decoded" display of the
packet. It could be that the packet was transmitted with position
ambiguity of one digit. Thus the LATITUDE that WinAPRS is displaying
as   4156.40N
is really 4156.4 N

And all software should display that within a position ambiguity circle
proportional to the number of digits of ambiguity....

4156.40N is precise to the nearest 60' and should be just an ICON
4156.4 N is good to about 600 feet and should have a circle
4156. N is good to about 1 mile etc
415 . N is good to about 10 miles etc
41 . N is good to about 60 miles etc

APRSdos goes one step furhter and assumes that any posit ending in
".00N/.....00W is intentionally ambiguous to the nearest mile. THus if
you just want to approximately enter your position, end it with .00/.00
and APRSdos users will at least see byt the 1 mile circle, that you are
only using an estimated position...

The chances that someone is actualy at a location ....00/.....00 is only
one chance in 10,000. Not very likely. And if so, he is probably
mvoing... more than 60 feet...

This lets D7 users estimate their locations when they dont want to bother
with a GPS, yet it does not confuse people viewing their icons...

de WB4APR, Bob

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612. [aprssig] Re: Unhanded Exception in WinAPRS 2.4.8

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 15 Feb 2001 09:17:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135232-2001.02.15-09.32.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> what's wrong with these packets

My WinAPRS station was dead yesterday, too, and it's able to hear the local
30m gate. Unfortunately, the log file was destroyed by Win98 on reboot...

However, the packets have several embedded <Delete> characters, which might
be causing the problem. You might try removing those, and see if the packet
is just ignored, rather than causing a crash. You could just do a one-line
log file for the test...

Jeff Brenton
President,
Engineered Software Products, Inc
http://espi.com
Questionable web page: http://dididahdahdidit.com

Liberalism grants you the freedom to advocate any idea*.
 * Please see http://www.dididahdahdidit.com/except.php for a
   current list of exceptions

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613. [aprssig] Re: Not making it into the feed?

From: Joel Maslak <jmaslak@antelope.net>
Date: Thu, 15 Feb 2001 13:44:35 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135335-2001.02.15-14.51.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 14 Feb 2001, Joel Maslak wrote:

> My packets are hitting at least two Igates - one only 50 feet away from
> this stations. However, they don't seem to be showing up on the Internet
> feed (according to Findu, anyhow).
> N7XUC-2>APZPAD,WIDE2-2:@050500z4118.40N/10534.56W>{CR}

I found the problem with this packet - the date is very incorrect. I
fixed this, and am showing up just fine now. I guess everything was
working the way it was supposed to, except my stuff!

Apparently, Findu uses this date format, but most other programs don't.

--
Joel Maslak
N7XUC

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614. [aprssig] Re: WinAPRS Coverage circles

From: "John Willis" <data-day@server.data-day.com>
Date: Thu, 15 Feb 2001 11:07:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135276-2001.02.15-11.21.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, this makes sense. If the gain is zero, that is no antenna at all,
so no coverage.
John Willis
jwillis@data-day.com
"If you obey all the rules, you'll miss all the fun"

----- Original Message -----
From: "Keith Sproul" <ksproul@rci.rutgers.edu>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Thursday, February 15, 2001 10:13 AM
Subject: [aprssig] Re: WinAPRS Coverage circles

> The calculations are based on what Bob Bruninga did, and, to the best
> of my knowledge, are exactly the same as his calculations..
>
> I can look up the exact calculations if anyone cares. It is based on
> some research done by the military a LONG time ago, and is used for
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> >to be a bug in the calculation. I found if the antenna gain is 0 it
> >doesn't draw a circle at all. If you change the gain in the PHG to 1 it
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> >K9SA
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> Keith Sproul ksproul@rci.rutgers.edu WU2Z
> Student Housing Network Coordinator 732 445-3695 W
> Rutgers University Computing Services 732 821-4828 H
>
> ---
> You are currently subscribed to aprssig as: jwillis@data-day.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

615. [aprssig] Re: WinAPRS Coverage circles

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 15 Feb 2001 12:19:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135279-2001.02.15-11.37.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:07 AM 2/15/01 -0600, John Willis wrote:
>Actually, this makes sense. If the gain is zero, that is no antenna at all,
>so no coverage.
>John Willis

No. Antenna gain is referenced to either isotropic (if you're selling
antennas) or dipole (If you're using them)

No coverage would have to have a large negative gain. (-XXdB)

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

616. [aprssig] Re: WinAPRS Coverage circles

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 15 Feb 2001 11:31:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135283-2001.02.15-11.47.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Actually, this makes sense. If the gain is zero, that is no antenna
> at all, so no coverage.

Incorrect assumption!

0db does NOT mean "no antenna". The calculations are based upon ADDITIONS
to a "standard setup", for things like power, height gain, and antenna
gain. Since I don't know what that "standard setup" was (and I assume you
don't, either, John), assumptions are meaningless.

However, most such measurements are based upon a specific power, height and
antenna. Let's assume the "standard" as 1 watt, fed into a 1/2-wave dipole
antenna, at ground level. A dipole is often used as the standard for
antennas, unless you're selling gain... B-)

This setup WILL have a non-zero range. And, as the standard, its PHG would
be "0000", i.e., no additional power above standard, no height above
terrain, no antenna gain, and no directionality. So, "PHG0000" should be
assumed to be this base, non-zero range, and any gain above this in any
factor should be added to this base range.

Jeff Brenton
President,
Engineered Software Products, Inc
http://espi.com
Questionable web page: http://dididahdahdidit.com

Liberalism grants you the freedom to advocate any idea*.
 * Please see http://www.dididahdahdidit.com/except.php for a
   current list of exceptions

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

617. [aprssig] Re: WinAPRS Coverage circles

From: K3for@aol.com
Date: Thu, 15 Feb 2001 16:54:05 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135337-2001.02.15-16.10.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, it appears APRSdos does show a positive range circle (maps-plots-PGH) for Gain >=0 (as it should),
whereas WinAPRS seems to make the coverage range 0 if gain is zero (which is incorrect.)

Note, however, that putting a negative antenna gain in APRSdos (however true or silly that may be - say,
 you're using a lightbulb instead of a vertical), HAS NO EFFECT - it causes the same range as 0dB gain.

If you need to cut back your displayed coverage because of a less than unity gain antenna, drop back
your power. But, hey, these are just calculation approximates, like Keith Sproul says.

73's,
SKip/K3FOR

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618. [aprssig] Re: WinAPRS Coverage circles

From: greg@snoopy.gwr.com
Date: Thu, 15 Feb 2001 12:16:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <aprssig@tapr.org>
Message-ID: <LYR842-135282-2001.02.15-11.40.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 15 Feb 2001, John Willis wrote:

> Actually, this makes sense. If the gain is zero, that is no antenna at all,
> so no coverage.
> John Willis

> jwillis@data-day.com

No, antenna gain is a measure of the differnce between two radiators,
usually referenced over a 1/4 wave whip or the theoretical isotropic
radiator. 0db gain means that there's no improvement over the reference,
not that there is no power radiated.

Greg

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

619. [aprssig] Re: WinAPRS Coverage circles

From: "Jeff Brenton" <jeffb@espi.com>
Date: Thu, 15 Feb 2001 07:39:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135204-2001.02.15-07.54.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> How does WinAPRS calculate coverage circles?

A zero in ANY of the first three positions of the PHGxxxx number will result
in a zero-radius coverage circle in WinAPRS. I consider it a bug in the
calculation that 0db (no gain) is considered the same as mathematical
zero...

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

620. [aprssig] Threatening emails

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 15 Feb 2001 13:31:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135297-2001.02.15-12.48.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone else getting this junk from <sexycowboy31@angelfire.com> ?

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

621. [aprssig] Re: WinAPRS Coverage circles

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 15 Feb 2001 14:03:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprssig@tapr.org
Message-ID: <LYR842-135301-2001.02.15-13.18.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 15 Feb 2001, John Willis wrote:

> Actually, this makes sense. If the gain is zero, that is no antenna at all,
> so no coverage.

Here is how it works:

```
POWER = N squared   1 means 1 watt
Height is 20*2^N    0 means 20
GAIN is in dB       0dB means  a factor of 1.
Directivity:        0 means OMNI.
```

So PHG1000 means
 POWER of 1 watt
 A height of 20 feet
 Antenna gain of unity
 Directivity of Omni.

It should plot a PHG circle of about... 2 miles.
Thus, the only one that cannot be 0 is POWER. 0 squared is still 0.

Bob, WB4APR

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622. [aprssig] connecting WinAPRS2.4.8 to the internet through a Microsoft proxy server

From: "Craig Brunson" <Brunson1@gte.net>
Date: Thu, 15 Feb 2001 16:12:57 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135348-2001.02.15-18.30.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone connect to the internet, using Microsoft proxy server & WinAPRS 2.4.8?

I try to use WinAPRS at work & all I get is 'TCP port failed'

Any clues for those with NOCLUE?

Thanks-
Craig
N7TSZ

623. [aprssig] Re: WinAPRS Coverage circles

From: Ray Vaughan <ray@rayvaughan.com>
Date: Thu, 15 Feb 2001 15:00:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135304-2001.02.15-14.15.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:31 AM 2/15/01 -0600, Jeff Brenton wrote:
> > Actually, this makes sense. If the gain is zero, that is no antenna
> > at all, so no coverage.
>
>Incorrect assumption!
>
>0db does NOT mean "no antenna". The calculations are based upon ADDITIONS
>to a "standard setup", for things like power, height gain, and antenna
>gain. Since I don't know what that "standard setup" was (and I assume you
>don't, either, John), assumptions are meaningless.

Another way to drive this home: The rubber duck on your hand-held radio has NEGATIVE gain. Oxymoron? Maybe. Just think of a quarter wave as unity, no gain, no loss. Anything greater, like a 5/8 wave has a positive gain value, so it adds to the over all level of the system. A stubby antenna throws less of the RF into the ether than a quarter wave, so it has loss, or more commonly known as a negative gain. Coax loss is another example of a device in the over all system with negative gain. Amps have a positive gain value. The key concept is that dB measures a relative change or difference. It's not a power value itself, unless it's followed by something else, e.g. dBmV, dBm. Then it's the difference between that value and some reference that everyone has agreed to be 0 dBmV or 0 dBm.

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624. [aprssig] Re: Precision Mapping 3.5 problem with Win 95 and WinAPRS 2.4.8

From: "Kevin McKay" <n7urw@hotmail.com>
Date: Thu, 15 Feb 2001 20:14:03

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135331-2001.02.15-14.28.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Same problem here,
Win95
WinAPRS 2.4.8
failed opening/creating pmap ocx control.

reloaded 2.4.7 then all is happy again.

Kev..

----Original Message Follows----
From: "Michael Francoeur" <n1naf@mint.net>
Date: Thu, 15 Feb 2001 05:42:39 -0500

Anyone else having problems running PM 3.5 using WinAPRS 2.4.8 and Win 95?
When I run 2.4.8, I receive an error window saying that it failed opening
the pmap ocx control. When I put 2.4.7 back on the machine, PM works great.

- Mike/N1NAF

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com

---
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625. [aprssig] Fwd: Re: WinAPRS Coverage circles

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 15 Feb 2001 19:58:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135354-2001.02.15-19.15.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> >0db does NOT mean "no antenna". The calculations are based upon ADDITIONS
> >to a "standard setup", for things like power, height gain, and antenna
> >gain. Since I don't know what that "standard setup" was (and I assume you
> >don't, either, John), assumptions are meaningless.
>
>Another way to drive this home: The rubber duck on your hand-held radio
>has NEGATIVE gain.   Oxymoron?   Maybe.

Hardly. Gain is relative to the original signal or a reference.
-3dB gain is perfectly legit.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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626. [aprssig] PSK-31 old dog new tricks

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 15 Feb 2001 20:36:28 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135359-2001.02.15-19.51.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After reading the PSK-31 article in this months QST. wow!
Just for grins, I downloaded the digipan6.exe software onto my kids PC
(the only winders machine in the house). Without a wire or single
conection, I simply dusted off the ol HF rig in the family
room, tuned to 3580.5 and QSO's just began to appear on the PC!

Even with the kids watching a national geographic tape on TV, the

PC microphone was able to pick up the HF noise mixed into the room
acoustics and make perfect copy. Wow, what a mode!

Now back to APRS... If I could only get them to put in a POSIT
button... Send your GRID Square, and we should have hooks into APRS
so it will plot it!
bob

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627. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: Arte Booten <n2zrc@webspan.net>
Date: Thu, 15 Feb 2001 20:44:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135360-2001.02.15-20.01.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Brian,

You wrote:

> Arte,
>Could you give us guidance [in transmitting] local NWS messages? How
>[do you] set it up and where [do you] get the feed?

     Setup depends on the version of APRS you're running.

     APRSDos users must manually format each and every WX packet. Other
than that (all NWS-WARNs are nothing more than a specifically formatted
APRS message), no special setup is required.

     FLIP SIDE:

     Several years ago, either I (or another APRS'er, who shall remain
anonymous ;-{}>) became slightly fat-fingered and substituted a period
for a comma.   WinAPRS systems up and down the eastern seaboard crashed!
Those of us that send NWS-WARNs via APRSDos are *VERY* careful about re-
reading a line twice, carefully parsing for proper format, before press-
ing <cr>.

     FYI, this WinAPRS 'phenomenon' has supposedly been fixed by TBS. I
haven't actually tested the fix, though!

     WinAPRS (and, similarly, MacAPRS and APRS-X [ports of the same pro-
gram]) users that want to send them must be Certified SKYWARN Spotters,
and registered users of one of those programs. Send email to the author
asking for the Weather Features "Secret Decoder Ring" to the authors and
they'll take care of you.

     Packet formatting is completely automatic.   Users simply click the
appropriate radio button(s) for the affected counties, use the drop-down
menu to select the type of warning, type in the expiration time and send
them.

     Where do you get the data?

     Tune a radio to 162.400 Mhz FM. Scan upwards to 162.55 and stop if
you hear a strong signal. Listen to a dreary robotic voice tell you the
weather. Copy down what you need to know.

     Go to http://iwin.nws.noaa.gov/iwin/ny/allwarnings.html .   This'll
give you information from the Buffalo, Binghampton, Albany, Upton NY and
Burlington VT NWSFO's concerning all Advisories, Watches and Warnings.

>We are in the BGM area.   They don't have APRS on the air. We just in-
>stalled a new digi in Oneonta so we can serve the local area.

     They don't need it to get the warnings on the air, but if you show
it to them properly, they might just put in a RX-only station.   They'd
need a licensed ham there if you want that station to transmit. The ad-
vantage of that, of course, is that SKYWARN stations can send reports to
the NWS office via APRS and those messages would get ACKed.

     As far as the digi is concerned, do you know if that digi is relia-

bly heard by at least one other digi? If not, you have a problem. Your
users will be able to see themselves. They might see some stations out-
side the local area.   But if that digi can't be heard by the next digi,
be in an APRS cul-de-sac.   Usually, the only fix is a higher digi site.
+---+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+---+

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628. [aprssig] GPS 35 version differences?

From: Russ Brown <brownrj@home.com>
Date: Thu, 15 Feb 2001 18:30:45 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135363-2001.02.15-20.46.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could some kind soul please explain the difference between these 2 versions of
the Garmin GPS 35? (Please see http://www.garmin.com/products/gps35/index.html
for the unabridged version):

> GPS35-LVC <snip> Asynchronous serial data interfaces via 2 serial
> ports with CMOS voltage level outputs, RS-232 polarity.
>
> GPS35-LVS <snip> Asynchronous serial data interfaces via 2 serial
> ports with true RS-232 voltage level outputs.

What exactly is the difference between "true RS-232" and "TTL/CMOS voltage
levels"? I plan to use this unit with my TH-D7 and maybe someday, an iPaq
equipped with a CF card serial port.

Thank you in advance, this has always been a very helpful and knowledgable SIG!
Russ Brown, KB6LUD

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629. [aprssig] Re: WinAPRS Coverage circles

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Thu, 15 Feb 2001 15:23:55 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135347-2001.02.15-17.39.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
<snipped>
> A height of 20 feet

Remember, that's height above average terrain (HAAT) - which is normally
computed for a 10-mile radius. If you live near mountains, or below
surrounding hills, it's easily possible to have a negative HAAT. Not that
any ham wants to admit that, but...

73, Bob (trying to find a house to buy that has a HAAT!)

Robert Donnell, KD7NM   (206) 542-7661
18828 Midvale Ave N   mailto:kd7nm@pugetsound.net
Shoreline, WA 98133
       Western Washington Amateur IP Address Coordinator

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630. [aprssig] Talking GPS

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 15 Feb 2001 23:22:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135370-2001.02.15-22.37.16--lyris.aprssig#tapr.org@lists.tapr.org>
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http://www.cnn.com/2001/CAREER/goodgadgetry/02/14/gps/index.html

Looks like Garmin has released a talking street pilot.

Wes

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631. [aprssig] Re: WinAPRS Coverage circles

From: Skip Allison <sallison@megsinet.net>
Date: Thu, 15 Feb 2001 22:34:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-135371-2001.02.15-22.50.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John Willis wrote:
>
> Actually, this makes sense. If the gain is zero, that is no antenna at all,
> so no coverage.
>

So YOU are the one that wrote the formula that's used in WinAPRS!

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632. [aprssig] Re: GPS 35 version differences?

From: "ScottM" <smorris@mindspring.com>
Date: Thu, 15 Feb 2001 23:45:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135375-2001.02.15-23.00.15--lyris.aprssig#tapr.org@lists.tapr.org>
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TTL HIGH voltage is between 2.4 to 5.0, voltage need to power CMOS. RS-232
voltage for HIGH is +12, and -12 for LOW. The ranges that 232 allows is
anywhere from -3 to -25 for LOW and +3 to +25 for HIGH.

Unless you have a specific requirement for TTL, go with the "true" RS-232
outputs. The radio uses 232, and I believe the iPaq does. The Handspring
uses TTL, that is why there are some incompatibilities, a special cable is
need for the Handspring to do RS-232.

Scott
----- Original Message -----
From: "Russ Brown" <brownrj@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 15, 2001 9:30 PM
Subject: [aprssig] GPS 35 version differences?

> Could some kind soul please explain the difference between these 2
versions of
> the Garmin GPS 35? (Please see
http://www.garmin.com/products/gps35/index.html
> for the unabridged version):
>
> > GPS35-LVC <snip> Asynchronous serial data interfaces via 2 serial
> > ports with CMOS voltage level outputs, RS-232 polarity.
> >
> > GPS35-LVS <snip> Asynchronous serial data interfaces via 2 serial
> > ports with true RS-232 voltage level outputs.
>
> What exactly is the difference between "true RS-232" and "TTL/CMOS voltage
> levels"? I plan to use this unit with my TH-D7 and maybe someday, an iPaq
> equipped with a CF card serial port.
>
> Thank you in advance, this has always been a very helpful and knowledgable

SIG!
> Russ Brown, KB6LUD
>
>
> ---
> You are currently subscribed to aprssig as: smorris@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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633. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 15 Feb 2001 22:55:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135377-2001.02.15-23.11.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:36 PM 2/15/01, Bob Bruninga wrote:

>After reading the PSK-31 article in this months QST. wow!
>Just for grins, I downloaded the digipan6.exe software onto my kids PC
>(the only winders machine in the house).

Gee, Bob, there are DOS PSK31 programs available.   "Winders," The Texas OS...

>Even with the kids watching a national geographic tape on TV, the
>PC microphone was able to pick up the HF noise mixed into the room
>acoustics and make perfect copy. Wow, what a mode!

That's what I've been trying to tell people. And it works on FM
too.   Currently on 3580, I'm copying a QSO from a guy in California and
all I can hear is static.

When I get around to wiring up a keying circuit, I'd like to try some long
range 2 meter FM tests...

73,

Mark
KC7BXS

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634. [aprssig] SMB?

From: kcechura@umr.edu
Date: Thu, 15 Feb 2001 22:57:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135378-2001.02.15-23.16.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know where i can find an SMB to BNC adapter at a reasonable
price?
/================================\
|++++++++++++++++++++++++++++++++|
|+   Ken Cechura   +|
|+   Station Manager, W0EEE   +|
|++++++++++++++++++++++++++++++++|
|+ http://www.umr.edu/~kcechura +|
\================================/

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635. [aprssig] RE: Italians

From: "Pitts, Charles" <cpitts04@sprintspectrum.com>
Date: Thu, 15 Feb 2001 23:55:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135393-2001.02.16-00.10.40--lyris.aprssig#tapr.org@lists.tapr.org>
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I do have some italian in my bloodlines, does that count.

KE4RCO
Kevin Pitts

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636. [aprssig] Italians

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 15 Feb 2001 16:42:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135336-2001.02.15-15.57.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are there any ITALIANS on this SIG? If so, give me a reply. THanks.

de WB4APR@amsat.org, Bob

APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html

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637. [aprssig] Re: GPS 35 version differences?

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Fri, 16 Feb 2001 00:06:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135398-2001.02.16-01.02.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Russ,
I have the Garmin 35hvs for my TH-D7AG, works great. Also works great with
my laptop running WinAPRS or Street Atlas. Also lets me use Terminal.Exe
from Win31 or HyperTerm from Win9x to view GPS data sentences directly.

I chose the HVS to get true RS232 and built-in power supply. This allows me
to get power directly from the car battery, or 24vdc sometimes encountered
in boats, or a gel cell, for example.

Generally:
RS232 has inverted signals with voltages that use both positive and negative
voltages to represent the 1's and 0's. RS232 I/O line drivers and receivers
can withstand direct shorts on up to four i/o pins without any damage. Use
RS232 signals to plug into computers or laptops or true RS232 TNC's.

CMOS/TTL use non-inverted signals with 0-5vdc levels to represent the 1's
and 0's. These can't withstand any negative voltage on i/o pins without
damaging some electoronic part. They can't withstand any shorts on any
pins. These are usually used when connected directly to a microprocessor.

Hope that helps.

----- Original Message -----
From: "Russ Brown" <brownrj@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 15, 2001 8:30 PM
Subject: [aprssig] GPS 35 version differences?

> Could some kind soul please explain the difference between these 2
versions of
> the Garmin GPS 35? (Please see
http://www.garmin.com/products/gps35/index.html
> for the unabridged version):
>
> > GPS35-LVC <snip> Asynchronous serial data interfaces via 2 serial

> > ports with CMOS voltage level outputs, RS-232 polarity.
> >
> > GPS35-LVS <snip> Asynchronous serial data interfaces via 2 serial
> > ports with true RS-232 voltage level outputs.
>
> What exactly is the difference between "true RS-232" and "TTL/CMOS voltage
> levels"? I plan to use this unit with my TH-D7 and maybe someday, an iPaq
> equipped with a CF card serial port.
>
> Thank you in advance, this has always been a very helpful and knowledgable
SIG!
> Russ Brown, KB6LUD
>
>
> ---
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>

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638. [aprssig] Re: SYNTORx

From: Skip Allison <sallison@megsinet.net>
Date: Fri, 16 Feb 2001 00:52:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135399-2001.02.16-01.08.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I haven't done it with a Syntor X, but have done it on a Maxtrac. It
uses a very similar mic and should work about the same. The Maxtrac has
a pin on the mic connector with fixed level receive audio on it. This
is normally used for a handset. I think the Syntor X also has this. It
can be used for receive audio for the TNC. The only problem is that it
is about 1K impedence. My KAM has a low impedence input and ecpects to
be connected to a speaker. I just changes the load resistor in the KAM
to a higher value. So everything can go to the mic jack.

Skip
K9SA

kcechura@umr.edu wrote:
>
> has anyonemanaged to get APRS to work using the mic port on a syntor X
> (effectively building the interface ports for the TNC into the control
> head)? (I want to connect the TNC through the mic jack and speaker jack on
> the syntor control head)

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639. [aprssig] Re: WinAPRS Coverage circles

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Thu, 15 Feb 2001 15:59:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135345-2001.02.15-17.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:03 PM 2/15/01 -0500, Bob Bruninga blasted the following out into the
ether:
><snip>
>So PHG1000 means
> POWER of 1 watt
> A height of 20 feet
> Antenna gain of unity
> Directivity of Omni.

      Sounds a lot like my station!

      Gotta get a better antenna up...<G>

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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640. [aprssig] Re: WinAPRS Coverage circles

From: henk.de.groot@hetnet.nl
Date: 16 Feb 2001 09:35:38 +0100
□"Keith Sproul" <ksproul@rci.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135408-2001.02.16-02.51.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Keith Sproul" <ksproul@rci.rutgers.edu>
>> The calculations are based on what Bob Bruninga did, and, to the best
of my knowledge, are exactly the same as his calculations.. <<

The APRS specification contains the calculation to be used, quote:

On receipt, APRS uses the p, h, g and d codes to calculate the usable radio
range (in miles), for plotting a range circle representing the local radio
horizon around the station. The radio range is calculated as follows:

    power = p 2
    Height-above-average-terrain (haat) = 10 x 2 h
    gain = 10 (g/10)
    range = □(2 x haat x □((power/10) x (gain/2)))

Thus, for PHG5132:

    power = 5 2 = 25 watts
    haat = 10 x 2 1 = 20 feet
    gain = 10 (3/10) = 1.995262
    range = □(2 x 20 x □((25/10) x (1.995262/2)))
    ~ 7.9 miles

So if you have a gain of 0 in the PHG value then 'gain' in the formula will be 1. I don't know where
this formula came from but I suspect this is Bobs formula. If that is true then there is an
implementation error if you use the same formula. Anyway, this is the "official" formula since it is in
the APRS specification.

Kind regards,

Henk.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

641. [aprssig] Re: WinAPRS Coverage circles

From: <henk.de.groot@hetnet.nl>
Date: 16 Feb 2001 09:55:50 +0100
□<K3for@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135409-2001.02.16-03.10.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "K3for@aol.com" <K3for@aol.com>
>> Note, however, that putting a negative antenna gain in APRSdos (however true or silly that may be -
say, you're using a lightbulb instead of a vertical), HAS NO EFFECT - it causes the same range as 0dB
gain. <<

According to the APRS spec Gain can only be from 0 to 9 dB, no negative values. But if you want to plot
the correct circle for your station you could adjust the power setting accordingly. If you have 3 dB

loss just specify the antenna at 0 dB and only specify half the power, that gives the same ammount of radiation and should give the same circle as you would have gotten with -3 dB and full power. This way you can also compensate for coax loss by specifying the power at the antenna instead of the power at the transmitter end.

The problem with antenna "gain" is that the APRS spec does not state what the reference is (could not find it), so it is either 0 or 3 dB when using a quarter-wave antenna. I guess 0 is a dipole since otherwise the range from 0 to 9 dB would be rather limited. On the otherhand if 0 dB is an isotope antenna then it is easier to specify a ruber-duck antenna more accurately.

Kind regards,

Henk.

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642. [aprssig] Garmin GPS II+

From: wa8inz@earthlink.net
Date: Fri, 16 Feb 2001 03:23:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135412-2001.02.16-03.38.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone supply me with the pinout for a Garmin II+ to a DB9
connector?.
Thank you in advance.

--
Bill Nolle wa8inz
wa8inz@earthlink.net
wa8inz@amsat.org
Hazel Green,AL

New Porta-Digi site:
http://www.home.earthlink.net/~wa8inz/index.html
Find me:
http://www.findu.com/cgi-bin/find.cgi?wa8inz

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

643. [aprssig] SYNTORx

From: kcechura@umr.edu
Date: Fri, 16 Feb 2001 00:19:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135397-2001.02.16-00.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

has anyonemanaged to get APRS to work using the mic port on a syntor X
(effectively building the interface ports for the TNC into the control
head)? (I want to connect the TNC through the mic jack and speaker jack on
the syntor control head)

thanks
Ken
```
/=================================\
|+++++++++++++++++++++++++++++++++|
|+          Ken Cechura          +|
|+     Station Manager, W0EEE    +|
|+++++++++++++++++++++++++++++++++|
|+ http://www.umr.edu/~kcechura  +|
\=================================/
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

644. [aprssig] Re: PSK-31 old dog new tricks

From: "Mike Nettles" <miken@insolwwb.net>
Date: Fri, 16 Feb 2001 05:40:54 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135415-2001.02.16-05.54.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If it were only error free like packet modes it would be great! Using it
on FM does sound interesting though.
73
Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

645. [aprssig] Standardizing on WGS84

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Fri, 16 Feb 2001 06:47:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <bruninga@usna.edu>
Message-ID: <LYR842-135417-2001.02.16-06.02.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Several weeks ago there was some discussion on the APRS SIG about
standardizing all US maps to WGS84. You indicated that you had a large file
of positions based on NAD27 and would like to find a way to convert the file
to WGS84. I have developed an algorithm based on the Molodensky
transformations which does a pretty good job of converting lat/long of any
datum to lat/long in WGS84. If this is of interest to you and/or the APRS
community, I would be happy to build a piece of freeware to do the
conversion.

Vic
_____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

      Home of the WindReader Electronic Theodolite
                              Read the WIND

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

646. [aprssig] Re: Garmin GPS II+

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 16 Feb 2001 07:04:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135424-2001.02.16-06.18.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.pfranc.com/projects/g45contr/assemb.htm

Hope this is what you are looking for.

Wes

----- Original Message -----
From: <wa8inz@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, February 16, 2001 04:23
Subject: [aprssig] Garmin GPS II+

> Can anyone supply me with the pinout for a Garmin II+ to a DB9
> connector?.
> Thank you in advance.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

647. [aprssig] Re: WinAPRS Coverage circles

From: henk.de.groot@hetnet.nl
Date: 16 Feb 2001 09:55:50 +0100
<K3for@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135410-2001.02.16-03.12.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "K3for@aol.com" <K3for@aol.com>
>> Note, however, that putting a negative antenna gain in APRSdos (however true or silly that may be - say, you're using a lightbulb instead of a vertical), HAS NO EFFECT - it causes the same range as 0dB gain. <<

According to the APRS spec Gain can only be from 0 to 9 dB, no negative values. But if you want to plot the correct circle for your station you could adjust the power setting accordingly. If you have 3 dB loss just specify the antenna at 0 dB and only specify half the power, that gives the same ammount of radiation and should give the same circle as you would have gotten with -3 dB and full power. This way you can also compensate for coax loss by specifying the power at the antenna instead of the power at the transmitter end.

The problem with antenna "gain" is that the APRS spec does not state what the reference is (could not find it), so it is either 0 or 3 dB when using a quarter-wave antenna. I guess 0 is a dipole since otherwise the range from 0 to 9 dB would be rather limited. On the otherhand if 0 dB is an isotope antenna then it is easier to specify a ruber-duck antenna more accurately.

Kind regards,

Henk.

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648. [aprssig] Re: Registration specials

From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Fri, 16 Feb 2001 09:02:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135447-2001.02.16-08.17.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Keith Kotch wrote:
>
> Is Brent still running a registration "special" by any chance for APRS+SA?
> I deleted past messages so can't find it there. Tried searching the sig
> archives but they don't seem to list anything past December 1999.
>
> Keith
> Keith Kotch
> Ambient Design Consultants 407-673-1901
> I'm a Ham too, Amateur Radio Call: KF4BXT
>
> ---
Yes..$30.00 for registered users of other programs...

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649. [aprssig] Re: Precision Mapping 3.5 problem with Win 95 and WinAPRS 2.4.8

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Fri, 16 Feb 2001 06:54:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135450-2001.02.16-08.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:14 PM 2/15/01 +0000, Kevin McKay blasted the following out into the ether:
>Same problem here,
>Win95
>WinAPRS 2.4.8

>failed opening/creating pmap ocx control.
>
>reloaded 2.4.7 then all is happy again.
>
>Kev..

2.4.8 here, but with W98 (not 95), all works fine.

7 3
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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650. [aprssig] More on map datums

From: J Cavanagh <cjcav@earthlink.net>
Date: Fri, 16 Feb 2001 10:20:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135464-2001.02.16-09.35.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been looking into the question of datum conversions for APRS
maps. My first question was how bad are the differences.

 The table below gives some examples of differences between datums used
to construct APRS maps. Negative differences mean that the point is
shifted south or west of NAD27 position.

   Before getting too concerned over this, visit AC4IU/Dave's web page
on GPS accuracy for consumer receivers with SA turned off.

http://users.erols.com/dlwilson/gps.htm

  If you want to know the difference at your QTH or other location, get
the Windows program CORPSCON from the Army Corps of Engineers.

http://crunch.tec.army.mil/software/corpscon/corpscon.html

NAD27 and WGS83 differences in meters or metres.

	Lat	Long	N-S (m)	E-W (m)
ME	45	70	6.3	-38.8
SFL	25	80	45.1	-24.4
WV	45	80	3.3	-12.8
IL	40	90	5.4	9.7
WI	44	90	-3.6	10.3
MT	45	110	-6.7	58.2
UT	40	110	-4.0	60.1
TX	30	100	23.5	33.7
CA	35	119	-3.5	85.4
WA	48	110	-2.6	56.4

Notice that the further south you go, the worse it gets. Could this
lead to another of Steve's accidents or a lost Texas steer?

The conversion is not easy. The mathematics result in a transcendental
equation, which, by definition, has no algebraic solution. Various
approximations are available. The experts cite the method used in
CORPSCON as the most accurate (+/-2m). It uses interpolation between
known surveyed points in each state. Canadians are on their own or must
use another method. The literature has several other approximations
such as the full and modified Molodenskiy (sp?) formulas and a
multivariate regression.

  If you want to display your icon on the right side of the Interstate,
set your GPS to conform to the datum used to make the map.
--
Jack Cavanagh, KB4XF

AAA3VA Army MARS

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651. [aprssig] Warhammer

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 16 Feb 2001 10:51:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135472-2001.02.16-10.06.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are there any WARHAMMER experts on here?

WIth my kids at HAM radio age, I am looking for ways to integrate HAM radio into their other interests. My son is into WARHAMMER, a modern day equivalent to toy soldiers, but it requires they get together with friends to "combat". There is a complex set of dice driven moves, weapon ranges, and protection fields all handled in the scale of inches on whatever playing board they come up with...

APRS would be perfect for linking together several players on an "APRS" battlefield. We could use a map scale where they play in "miles" instead of "inches"... The PHG circles could show their weapon ranges, etc...

Each "piece" on the board has about 10 parameters associated with it. Easy to put into a POSIT comment field... As each piece is added to the board and moved around, then everyone in the game sees the same battlefield..

Do not be alarmed. THis is NOT targeted for 144.39... but a local simplex freq... Im looking for someone that can explain it all to me and help me understand all that we would need to communicate...

de WB4APR@amsat.org, Bob

APRS LIVE pages http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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652. [aprssig] Re: PSK-31 old dog new tricks

From: "Jim Morrison" <km5bs@hotmail.com>
Date: Fri, 16 Feb 2001 16:35:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-135490-2001.02.16-10.51.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob,

You might be interested in the PSK31 reflector at www.qth.net. The guy that really got it started, Peter Martinez, is a frequent contributor and takes a lot of time to help folk out (gee, that sounds a lot like another list and somebody else around here....).

Quite a few ARES and RACES folks have been experimenting with PSK31 for emergency comms. I think APRS and PSK31 make a great combination for such operations

A couple of other web sites you might be interested in checking:

http://www.digitalham.net/

http://aintel.bi.ehu.es/psk31.html

Enjoy,

Jim Morrison
KM5BS

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

653. [aprssig] Re: Warhammer & Rolling Dice

From: K3for@aol.com
Date: Fri, 16 Feb 2001 11:46:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-135492-2001.02.16-11.01.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, I'm actually a fan of the original game of Risk. The only parameter you have on each object is the number of armies in that group. In Risk, you play for continents, country by country, moving armies in and out, in offensive and defensive posture.

Your chess game has one unique advantage in that there is no cheating. All of these dice games rely on a 3rd party (we used to call them DungeonMasters) who observes rolling of the dice, and making sure that players followed certain rules.

One way around this is for you to implement an Ops-Game-RandomDice command that would place (or update) an object in the ocean that contains a random dice roll status text generated by the computer. Your son will have to tell you how many dice and sides he needs to cover the most common game requirements (there's more than just 6-sided dice out there). For instance, you could program a roll to consist of 2 six-sided dice, a 10-sided, a 16-sides, and a 30-sided, shown as:
3/6 4/6 10/10 4/16 2/30
as a 3, 4, 10, 4, and 2 on the respective dice.

I'm not sure of another fair way to do it.

Skip/K3FOR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

654. [aprssig] Re: Email Server & WHOIS

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Fri, 16 Feb 2001 11:03:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135500-2001.02.16-11.20.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> Is the email server up and running? What about the WHOIS Server?
>

WHOIS does not seem to be working today.

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655. [aprssig] message from sdimse@mail.telocity.com

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Fri, 16 Feb 2001 06:49:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135434-2001.02.16-07.04.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Return-Path: <sdimse@mail.telocity.com>
Received: from c007.snv.cp.net ([209.228.33.217]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Thu, 15 Feb 2001 16:57:33 -0600
Received: (cpmta 15378 invoked from network); 15 Feb 2001 14:40:21 -0800
Received: from dsl-64-34-101-121.telocity.com (HELO ?10.0.1.2?) (64.34.101.121)

```
  by smtp.telocity.com (209.228.33.217) with SMTP; 15 Feb 2001 14:40:21 -0800
X-Sent: 15 Feb 2001 22:40:21 GMT
Subject: Changes in findu.com
Date: Thu, 15 Feb 2001 17:36:58 -0500
x-sender: sdimse@mail.telocity.com
x-mailer: Claris Emailer 2.0v3, January 22, 1998
From: Steve Dimse <sdimse@telocity.com>
To: "aprssig" <aprsnews@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The old findu.com server has now taken over as the aprs.net machine, and
the two are set up to load share. The two databases run independently, so
it is possible to have differences between the two. However, if all
network connections are up the differences should be non-existant to
minimal. One exception is that of directly entered reports, these will
only appear on the machine that they are entered into, I am working on
getting these syncronized. Until then, you can use one or the other by
using www1.findu.com (the dsl machine) and www2.findu.com (the museum
machine).

Steve K4HG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

656. [aprssig] Registration specials

```
From: "Keith Kotch" <kotch@mpinet.net>
Date: Fri, 16 Feb 2001 08:56:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135445-2001.02.16-08.06.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is Brent still running a registration "special" by any chance for APRS+SA?
I deleted past messages so can't find it there.  Tried searching the sig
archives but they don't seem to list anything past December 1999.

Keith
Keith Kotch
Ambient Design Consultants  407-673-1901
I'm a Ham too, Amateur Radio Call:  KF4BXT


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

657. [aprssig] NAD83 vs WGS84

```
From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Fri, 16 Feb 2001 12:22:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135512-2001.02.16-12.36.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For practical purposes, is there substantial difference between the NAD83 and WGS84 map datums in the
CONUS?


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

658. [aprssig] Afilter crash on NT4

```
From: Alex <kg4ecv@earthlink.net>
Date: Fri, 16 Feb 2001 14:07:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135519-2001.02.16-13.16.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Afilter just crashed on my NT 4.0 machine. Did this happen to anyone
else?
```

It looks as if it crached when it received an emergency message.

73s,
--Alex

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

659. [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a Microsoftproxy server

From: bob <w2g3zfj@optonline.net>
Date: Fri, 16 Feb 2001 09:54:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135461-2001.02.16-09.09.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Craig

I use MS Proxy2 here with my internal network and it works fine. Which port are you using, it may be blocked by your IT department. Do you have the WSPclient loaded?

73 de bob
w2/g3zfj

> -----Original Message-----
> From: Craig Brunson <Brunson1@gte.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Date: Thursday, February 15, 2001 23:40
> Subject: [aprssig] connecting WinAPRS2.4.8 to the internet through a Microsoftproxy server
>
> Does anyone connect to the internet, using Microsoft proxy server & WinAPRS 2.4.8?
>
> I try to use WinAPRS at work & all I get is 'TCP port failed'
>
> Any clues for those with NOCLUE?
>
> Thanks-
> Craig
> N7TSZ

660. [aprssig] Ron Butcher:

From: kcechura@umr.edu
Date: Fri, 16 Feb 2001 13:09:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135524-2001.02.16-13.27.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ron,
I lost your email address, but thanks for the manual pages, they will be a
big help.

73
Ken
```
/==================================\
|++++++++++++++++++++++++++++++++++|
|+          Ken Cechura           +|
|+     Station Manager, W0EEE     +|
|++++++++++++++++++++++++++++++++++|
|+ http://www.umr.edu/~kcechura  +|
\==================================/
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

661. [aprssig] [AVR]: Web page update

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 16 Feb 2001 14:27:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135527-2001.02.16-13.44.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd be interested to see if anyone has trouble loading my pages at
http://www.dvanhorn.org

I've moved to a new gzip compression module.
If you have trouble loading, I need your browser version, so I can refine
the settings. I can customize how and what it compresses per browser type.
--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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662. [aprssig] Re: WX WARNs for WNY, NNY,VT,WMA & CT

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Fri, 16 Feb 2001 06:58:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135541-2001.02.16-14.02.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:44 PM 2/15/01 -0500, Arte Booten blasted the following out into the
ether:
><snip>
>   WinAPRS (and, similarly, MacAPRS and APRS-X [ports of the same pro-
>gram]) users that want to send them must be Certified SKYWARN Spotters,
>and registered users of one of those programs. Send email to the author
>asking for the Weather Features "Secret Decoder Ring" to the authors and
>they'll take care of you.

      And then stand by to get flamed if someone doesn't like your
warnings, doesn't think your clock is set right, or thinks the warnings you
receive in local time MUST be changed to UTC...

      For these reasons, *I* don't send them any more. More power to those
that do.

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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663. [aprssig] Re: SYNTORx

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Fri, 16 Feb 2001 13:57:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135547-2001.02.16-14.12.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 02/16/01, "kcechura@umr.edu" wrote:
> has anyonemanaged to get APRS to work using the mic port on a syntor X
> (effectively building the interface ports for the TNC into the control
> head)? (I want to connect the TNC through the mic jack and speaker jack on
> the syntor control head)

Yes - just find volume/squelch high for RX audio (black/brown)
and PTT (black/orange) and mic high (black/yellow) on the back
of your black plug. It's more fun though getting the VCO to
go down there - I used 56pf across the 4.7pf capacitor in there.

...N3EG

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664. [aprssig] Email Server & WHOIS

From: "James A. Martin Jr." <tapr@jmartin.net>
Date: Fri, 16 Feb 2001 10:15:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135486-2001.02.16-10.36.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SIG,

Is the email server up and running? What about the WHOIS Server?

Thanks,
JAmes M.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

665. [aprssig] WX Station

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 16 Feb 2001 16:19:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135567-2001.02.16-15.33.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A local Emergency Repeater Association (a rather large one that covers the
North Eastern portion of North Carolina) has expressed interest in
installing an APRS digi at 1200 ft that will dramatically improve APRS
coverage in the Tidewater region of SE Va... as well as the Northern sounds
and Outer Banks of NC. Using the technique of adding a station in the
WinAPRS with the parametrics (power, ht, gain - doggone.... WinAPRS won't
accept anything over 640 ft HAAT.... I need twice that)... anyway... should
easily do Norfolk/Hampton Va... To Beaufort NC... all the Outer Banks... and
almost to I95 in the west....

One of the caveats... they want a WX station at the site .... and have been
told they should use a Peet Bros unit.... the kicker.... they want the
weather info to also go out - voice form - from their repeater at the same
location...

I'd appreciate any feedback from the group here... about the viability of
doing this (having both WX data for APRS ... and voice WX for the FM
repeater).... is it very much pain to make happen? How did you do it?

ALOHA
AH6LS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

666. [aprssig] Re: Afilter crash on NT4

From: Jonathan Kaplan <jonk@jskent.com>
Date: Fri, 16 Feb 2001 11:19:22 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135525-2001.02.16-13.34.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I run Afilter v2 on an NT 4.0 server running service pack 6a, connected to
the net
through a ADSL. I have had no problems with it, even receiving emergency
messages.
Runs like a top.

Jonathan Kaplan
KO6XS

At 02:07 PM 2/16/01 -0500, Alex wrote:
>Hi there,
>
>Afilter just crashed on my NT 4.0 machine. Did this happen to anyone
>else?
>
>It looks as if it crached when it received an emergency message.
>
>73s,
>--Alex

>
>---
>You are currently subscribed to aprssig as: jonk@jskent.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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667. [aprssig] Re: Registration specials

From: Roger Grady <k9opo@netusa1.net>
Date: Fri, 16 Feb 2001 14:45:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135539-2001.02.16-13.58.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:02 AM 2/16/01 -0500, Clayton H. Owen wrote:
>Keith Kotch wrote:
>>
>> Is Brent still running a registration "special" by any chance for APRS+SA?
>> I deleted past messages so can't find it there. Tried searching the sig
>> archives but they don't seem to list anything past December 1999.

>Yes..$30.00 for registered users of other programs...

Note that the special price also applies to a group purchase of 5 or more,
which also earns you a free club call registration. Group registrations
must be enclosed in a single envelope. Specials must be postmarked before
Feb. 22.

Roger Grady K9OPO

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668. [aprssig] Getac A-760 Laptop

From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Fri, 16 Feb 2001 15:02:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135549-2001.02.16-14.16.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone have personal experience with a Getac A-760 Laptop? Yes it is a
bit pricy..but is built like a 'Rock'...

Tnx, Clay AA3JY

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669. [aprssig] Message from sdimse@mail.telocity.com

From: Stan Horzepa <stanzepa@mail2.nai.net>
Date: Fri, 16 Feb 2001 19:31:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135577-2001.02.16-18.42.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Return-Path: <sdimse@mail.telocity.com>
Received: from c007.snv.cp.net ([209.228.33.217]) by lists.tapr.org with
SMTP (Lyris Server version 3.0); Thu, 15 Feb 2001 16:57:33 -0600
Received: (cpmta 15378 invoked from network); 15 Feb 2001 14:40:21 -0800
Received: from dsl-64-34-101-121.telocity.com (HELO ?10.0.1.2?)
(64.34.101.121)
  by smtp.telocity.com (209.228.33.217) with SMTP; 15 Feb 2001 14:40:21
-0800
X-Sent: 15 Feb 2001 22:40:21 GMT
Subject: Changes in findu.com
Date: Thu, 15 Feb 2001 17:36:58 -0500
x-sender: sdimse@mail.telocity.com
x-mailer: Claris Emailer 2.0v3, January 22, 1998
From: Steve Dimse <sdimse@telocity.com>

To: "aprssig" <aprsnews@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The old findu.com server has now taken over as the aprs.net machine, and
the two are set up to load share. The two databases run independently, so
it is possible to have differences between the two. However, if all
network connections are up the differences should be non-existant to
minimal. One exception is that of directly entered reports, these will
only appear on the machine that they are entered into, I am working on
getting these syncronized. Until then, you can use one or the other by
using www1.findu.com (the dsl machine) and www2.findu.com (the museum
machine).

Steve K4HG

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670. [aprssig] Software

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Fri, 16 Feb 2001 15:39:09 -0900
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135580-2001.02.16-18.53.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I am looking for some packet software that will work with
a dual port Kantronics All Mode. I need it to have a window
for each port that are both on the screen at the same time.

I have the PCPackrat software that does it but it will only
work with the AEA units.

Any ideas? We run both APRS and packet here.   Are
currently providing the comms for the Yukon Quest Sled race
and we have packet links from Dawson to Fairbanks.....about
500 miles!   It is working great, using VHF.

Thanks to all who work so hard on all the programs we use.

Linda <><

--
Linda AD4BL
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!

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671. [aprssig] Re: WinAPRS Coverage circles

From: <henk.de.groot@hetnet.nl>
Date: 16 Feb 2001 09:35:38 +0100
"Keith Sproul" <ksproul@rci.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-135407-2001.02.16-02.50.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Keith Sproul" <ksproul@rci.rutgers.edu>
>> The calculations are based on what Bob Bruninga did, and, to the best
of my knowledge, are exactly the same as his calculations.. <<

The APRS specification contains the calculation to be used, quote:

On receipt, APRS uses the p, h, g and d codes to calculate the usable radio
range (in miles), for plotting a range circle representing the local radio

horizon around the station. The radio range is calculated as follows:

    power = p 2
    Height-above-average-terrain (haat) = 10 x 2 h
    gain = 10 (g/10)
    range = □(2 x haat x □((power/10) x (gain/2)))

Thus, for PHG5132:

    power = 5 2 = 25 watts
    haat = 10 x 2 1 = 20 feet
    gain = 10 (3/10) = 1.995262
    range = □(2 x 20 x □((25/10) x (1.995262/2)))
    ~ 7.9 miles

So if you have a gain of 0 in the PHG value then 'gain' in the formula will be 1. I don't know where this formula came from but I suspect this is Bobs formula. If that is true then there is an implementation error if you use the same formula. Anyway, this is the "official" formula since it is in the APRS specification.

Kind regards,

Henk.

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672. [aprssig] Re: GPS 35 version differences?

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Fri, 16 Feb 2001 11:01:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135499-2001.02.16-11.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Russ,

RS232 signal levels are +3 TO +12 volts to indicate an
"ON or 0-state (SPACE) condition" while a -3 to -12 volt
range indicates an "OFF" 1-state (MARK) condition.

The voltage range between +3v and -3v is designed to
absorb line noise. This dead area may vary in many
cases. For example, the definition for V.10 has a dead
area from +0.3v to -0.3v. Many of the receivers designed
for RS-232 are sensitive to differentials of 1v or less.

In the TTL world, +2.4 to +5.0 volts indicates an "ON or
logic 1 / high state" while 0.0 to +0.8 volts indicates an
"OFF or logic 0 / low state".

The "CMOS compatible" devices offer a slightly wider
source voltage range than the 5V TTL devices but the
logic levels are similar to the TTL devices.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Russ Brown" <brownrj@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 15, 2001 8:30 PM
Subject: [aprssig] GPS 35 version differences?

> Could some kind soul please explain the difference between these 2
versions of
> the Garmin GPS 35? (Please see
http://www.garmin.com/products/gps35/index.html

> for the unabridged version):
>
> > GPS35-LVC <snip> Asynchronous serial data interfaces via 2 serial
> > ports with CMOS voltage level outputs, RS-232 polarity.
> >
> > GPS35-LVS <snip> Asynchronous serial data interfaces via 2 serial
> > ports with true RS-232 voltage level outputs.
>
> What exactly is the difference between "true RS-232" and "TTL/CMOS voltage
> levels"? I plan to use this unit with my TH-D7 and maybe someday, an iPaq
> equipped with a CF card serial port.
>
> Thank you in advance, this has always been a very helpful and knowledgable
SIG!
> Russ Brown, KB6LUD
>
>
> ---
> You are currently subscribed to aprssig as: tim_cunningham@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

673. [aprssig] Re: WX Station

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 16 Feb 2001 18:37:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135575-2001.02.16-17.52.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 16 Feb 2001, Sadowski, Allan wrote:

> WinAPRS with the parametrics (power, ht, gain - doggone.... WinAPRS won't
> accept anything over 640 ft HAAT.... I need twice that)... anyway... should
> easily do Norfolk/Hampton Va... To Beaufort NC... all the Outer Banks... and
> almost to I95 in the west....

PHG Height digit for 1200 feet is 7
Sounds Great!
bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

674. [aprssig] Re: Software for KAM

From: WA8LMF1@aol.com
Date: Fri, 16 Feb 2001 23:45:56 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135605-2001.02.16-23.00.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/16/01 4:43:58 PM Pacific Standard Time,
ad4bl@mosquitonet.com writes:

<< I am looking for some packet software that will work with
 a dual port Kantronics All Mode. I need it to have a window
 for each port that are both on the screen at the same time. >>

Kantronic's own Hostmaster was specically designed to do this. It's an
elderly DOS program so the fixed 24-line screen gets a bit crowded when split
3 ways (RX1, RX2, TX buffer) but it does work and will run on old
low-horsepower clunkers. It was explicitly designed for the KAM and the KPC
VHF/VHF dual port TNCS. Check out this URL on the Kantronics site for more
info:
     http://www.kantronics.com/access.htm

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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|    Radio Communications Systems       Personal Computers
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675. [aprssig] Re: WX Station

From: "John L. Place" <jplace@sc.rr.com>
Date: Sat, 17 Feb 2001 00:07:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135606-2001.02.16-23.22.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are running a Peet Bros. U-100 to a Cat-1000 controller and the KPC-3
second serial port. Just feed the output of the Peet to both units.
Works fine.

"Sadowski, Allan" wrote:
>
> A local Emergency Repeater Association (a rather large one that covers the
> North Eastern portion of North Carolina) has expressed interest in
> installing an APRS digi at 1200 ft that will dramatically improve APRS
> coverage in the Tidewater region of SE Va... as well as the Northern sounds
> and Outer Banks of NC. Using the technique of adding a station in the
> WinAPRS with the parametrics (power, ht, gain - doggone.... WinAPRS won't
> accept anything over 640 ft HAAT.... I need twice that)... anyway... should
> easily do Norfolk/Hampton Va... To Beaufort NC... all the Outer Banks... and
> almost to I95 in the west....
>
> One of the caveats... they want a WX station at the site .... and have been
> told they should use a Peet Bros unit.... the kicker.... they want the
> weather info to also go out - voice form - from their repeater at the same
> location...
>
> I'd appreciate any feedback from the group here... about the viability of
> doing this (having both WX data for APRS ... and voice WX for the FM
> repeater).... is it very much pain to make happen? How did you do it?
>
> ALOHA
> AH6LS
>
> ---
> You are currently subscribed to aprssig as: jplace@sc.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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676. [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a Microsoft proxy server

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 17 Feb 2001 00:28:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135627-2001.02.17-00.44.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I get the same thing at work.

Skip
K9SA

> Craig Brunson wrote:
>
> Does anyone connect to the internet, using Microsoft proxy server &
> WinAPRS 2.4.8?

>
> I try to use WinAPRS at work & all I get is 'TCP port failed'
>
> Any clues for those with NOCLUE?
>
> Thanks-
> Craig
> N7TSZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

677. [aprssig] Re: Software

From: Robert Donnell <kd7nm@pugetsound.net>
Date: Fri, 16 Feb 2001 22:42:40 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135635-2001.02.17-02.37.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Linda, and all

I'm aware of three choices to achieve connected-mode packet operation on
both ports.

The first choice is to buy a commercial packet program for the KAM that
uses its host mode. I'm not sure if Kantronics still offers software to do
this, however from my days at AEA, I know of a company that offers both
Kantronics and AEA versions of programs for supporting dual-port and
multi-connect operations. Take a look at KaGOLD at
http://www.interflex.com. I can not recommend the program from the point
of view of someone who has used it extensively, and not the Kantronics
version, at all. The web site states that the program should be very
usable on PC platforms from the original PC up to 1 GHz Windows 9x/NT/2000
boxes. I've seen and played with the AEA version (PkGOLD) , but that's
been six or seven years ago. That program was well designed in support of
multiconnect packet. I felt at that time that it left something missing
when used for RTTY/AMTOR/CW operations. It appears you can acquire the
program on-line for about $60.00. This is probably the easiest / fastest
way to get going.

The second choice is to use JNOS, with the KAM configured for dual-port
KISS operation. This approach is not a "load it and go" situation, however
it's free, freely available on-line, and may provide automatic
store/forward of email and a BBS user interface, if desired. There may
also be a way for APRS software to connect into JNOS for APRS support. The
software is at ftp://pc.usl.edu/hamradio/jnos/. There's also a mailing list.

The third choice is to use the AGW packet engine (under Windows) along with
any of the general purpose packet programs that provides the means to
connect to the packet engine. One is available along with the packet
engine. Note that the AGW packet engine will even work with laptop sound
cards, and that WinAPRS and APRS+SA are able to interact with the AGW
packet engine. It can be found at http://www.raag.org/sv2agw/

Hope that helps!

73, Bob

At 03:39 PM 2/16/2001 -0900, Linda Mullen wrote:
>Hi all,
>
>I am looking for some packet software that will work with
>a dual port Kantronics All Mode. I need it to have a window
>for each port that are both on the screen at the same time.
>
>I have the PCPackrat software that does it but it will only
>work with the AEA units.
>
>Any ideas? We run both APRS and packet here.   Are
>currently providing the comms for the Yukon Quest Sled race
>and we have packet links from Dawson to Fairbanks.....about
>500 miles!   It is working great, using VHF.
>
>Thanks to all who work so hard on all the programs we use.
>
>Linda <><

>
>--
>Linda AD4BL
>ad4bl@mosquitonet.com
>Fairbanks, Alaska
>He came to pay a debt He didn't owe,
>because we owed a debt we couldn't pay!
>
>
>
>---
>You are currently subscribed to aprssig as: kd7nm@pugetsound.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Bob Donnell, KD7NM   Ph:206-542-7661   kd7nm@pugetsound.net
        Western Washington Amateur Radio IP Address Coordinator
---------------------- http://wetnet.wa.com/~kd7nm ------------------------
-- For recent vehicle location try: http://map.findu.com/kd7nm-9 ------
-- For recent handytalky location try: http://map.findu.com/kd7nm-7 ---

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

678. [aprssig] Re: NAD83 vs WGS84

From: Gerry Creager <gerry@cs.tamu.edu>
Date: Fri, 16 Feb 2001 12:58:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135518-2001.02.16-13.13.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich Beckwith wrote:
>
> For practical purposes, is there substantial difference between the NAD83 and WGS84 map datums in the
CONUS?

No.

Gerry
--
Gerry Creager | Never ascribe to Malice that
AATLT | which can adequately be
Texas A&M University | explained by Stupidity.
979.458.4020 (Phone) | -- Lazarus Long
979.847.8578 (Fax)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

679. [aprssig] Re: Software

From: Roger Barker <roger@peaksys.co.uk>
Date: Sat, 17 Feb 2001 09:12:46 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135637-2001.02.17-03.27.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-135580-2001.02.16-18.53.07--roger#peaksys.co.uk@list
s.tapr.org>, Linda Mullen <ad4bl@mosquitonet.com> writes
>Hi all,
>
>I am looking for some packet software that will work with
>a dual port Kantronics All Mode. I need it to have a window
>for each port that are both on the screen at the same time.
>
>I have the PCPackrat software that does it but it will only
>work with the AEA units.
>
>Any ideas? We run both APRS and packet here.   Are
>currently providing the comms for the Yukon Quest Sled race
>and we have packet links from Dawson to Fairbanks.....about
>500 miles!   It is working great, using VHF.

You could try the SV2AGW Packet Engine plus WinPack (see my sig for
where to find WinPack). That will allow you up to 11 terminal windows.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

680. [aprssig] Rules on NWS Issue Codes

From: "Michael Francoeur" <n1naf@mint.net>
Date: Sat, 17 Feb 2001 07:21:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135641-2001.02.17-06.34.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When relaying NWS messages for warnings, watches, and advisories as posted
on a regional NWS web site. How does one obtain the issue code that
corresponds to the message?

Our APRS network is currently isolated from the internet (no IGATES running
24x7) and our NWS offices are not yet on packet. So NWS messages are being
formatting and transmitting via APRS as they are being issued.

- Mike/N1NAF

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681. [aprssig] Re: WinAPRS Coverage circles

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 17 Feb 2001 23:23:08 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135642-2001.02.17-06.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Feb 15, 2001 at 11:31:37AM -0600, Jeff Brenton wrote:
> > Actually, this makes sense. If the gain is zero, that is no antenna
> > at all, so no coverage.
>
> Incorrect assumption!
>
> 0db does NOT mean "no antenna".

Be careful -- John didn't say 0dB, he said zero gain. Zero gain (in
linear units) is indeed no output at all. 0dB is of course unity gain.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

682. [aprssig] Re: PSK-31 old dog new tricks

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 17 Feb 2001 23:25:53 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135644-2001.02.17-06.40.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, Feb 16, 2001 at 05:40:54AM -0600, Mike Nettles wrote:
> If it were only error free like packet modes it would be great! Using it
> on FM does sound interesting though.

Using it on FM would be completely pointless -- you would lose
all of its weak signal benefits. PSK31 works well on weak signals,

not noisy signals; a weak FM signal usually demodulates very noisily.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

683. [aprssig] Re: NAD83 vs WGS84

From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Fri, 16 Feb 2001 14:32:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135535-2001.02.16-13.47.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gerry Creager wrote:
>
> Rich Beckwith wrote:
> >
> > For practical purposes, is there substantial difference between the NAD83 and WGS84 map datums in
the CONUS?
>
> No.
>
> Gerry

Same datum..but different Ellipsoidial measurements or models of the
earth..

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

684. [aprssig] Arkansas APRS (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 17 Feb 2001 09:14:47 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135656-2001.02.17-08.30.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone live near this guy in Arkansas and want to elmer a new APRS
fellow... I sent him the info for downloading the software

---------- Forwarded message ----------
Date: Fri, 16 Feb 2001 19:49:12 -0600
From: ELDON K7ZQR <k7zqr@ipa.net>
To: wb4apr@amsat.org
Subject: APRS

 Hi: I have been in Ham radio for over 30 years and I just sent and
 received my first packet messages. The APRS sounds lke something I would
 like to at least try. ... I am using an IBM PS/1, MFJ 1278 and a Kenwood
 two meter mobile at the present time.

V. E. Bryant
70 Bryant St
Ward, AR 72176
k7zqr@ipa.net

http://www.ipa.net/~k7zqr/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

685. [aprssig] Re: WinAPRS Coverage circles

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 17 Feb 2001 08:43:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135657-2001.02.17-09.00.38--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

> On Thu, Feb 15, 2001 at 11:31:37AM -0600, Jeff Brenton wrote:
> > > Actually, this makes sense. If the gain is zero, that is no antenna
> > > at all, so no coverage.
> >
> > Incorrect assumption!
> >
> > 0db does NOT mean "no antenna".
>
> Be careful -- John didn't say 0dB, he said zero gain. Zero gain (in
> linear units) is indeed no output at all. 0dB is of course unity gain.

...and if you have 3dB of power going into that 0dB gain antenna
there will certainly be 3dB of effective radiated power going out into
the airwaves... 0dB does not imply that we multiply by 0, because
we know the answer will always be the same. It simply means we
add 0dB gain to the 3dB coming into it. No power (0dB) into a 0dB
gain antenna means there will be no power out. Thus, nobody can
hear you unless they have telepathic power.

Gain is a relative measurement. If one simply states gain in dB, it
is generally understood that it is relative to 1 watt of power. If it is
relative to 1 milliwatt, then it would be stated as "dBm".

If you were to measure the ERP of the APRSSIG what would you get?
Please do not attempt to answer this on the SIG, just think about it
quietly.

73's,

Tim - N8DEU
Huntsville, Alabama

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686. [aprssig] Re: PSK-31 old dog new tricks

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 17 Feb 2001 23:29:05 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135645-2001.02.17-06.43.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Feb 15, 2001 at 08:36:28PM -0500, Bob Bruninga wrote:
> Now back to APRS... If I could only get them to put in a POSIT
> button... Send your GRID Square, and we should have hooks into APRS
> so it will plot it!

By the way, there are a lot better on-air protocols to be using on HF
for APRS than 1200 or 300bps packet radio.

There's a new(ish) protocol called NEWQPSK or Q15X25. It has FEC, like
MFSK (or PSK31 in QPSK mode). There is an implementation of NEWQPSK for
Linux which looks like a standard AX.25 packet modem. Thus you can use
NEWQPSK with digi_ned, or aprsdigi, or aprsd, or whatever. Reliability
would be much better than HF packet (which has no FEC).

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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687. [aprssig] Re: PSK-31 old dog new tricks

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 17 Feb 2001 11:53:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135667-2001.02.17-11.07.53--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hamish Moffatt wrote:
>
> On Fri, Feb 16, 2001 at 05:40:54AM -0600, Mike Nettles wrote:
> > If it were only error free like packet modes it would be great! Using it
> > on FM does sound interesting though.
>
> Using it on FM would be completely pointless -- you would lose
> all of its weak signal benefits. PSK31 works well on weak signals,
> not noisy signals; a weak FM signal usually demodulates very noisily.

Actually, there was a letter to QST that was published recently that
described an FM-based PSK31 experiment that was run on VHF wherein the
user claimed significant improvement in throughput over "straight
packet" on marginal circuits.
Ev, W2EV

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688. [aprssig] NSTAR 01A is GO for Sunday

From: "Mark Conner" <mconner1@home.com>
Date: Sat, 17 Feb 2001 11:43:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135668-2001.02.17-11.57.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nebraska Stratospheric Amateur Radio Flight 01A is on for Sunday morning,
February 18, at 1630 UTC (1030 CST) from NWS Valley, Nebraska.

The forecast for the morning is for temperatures to start out about 18F at
7am but reach the low 30s by noon. Winds are forecast to be about 8 knots
early picking up to 15 knots by noon. Skies should be mostly sunny, but
dress appropriately if you plan to attend in person.

Max altitude will be about 60,000' with a 1000 ft/min ascent rate planned.
Total mission time will be about 90 minutes.

I will be at the launch site at 8am to integrate the FSK31 experiment,
others can plan to arrive about 9:30 or so.

We may hold the launch about 30-60 minutes depending on weather. With the
FSK31 experiment, we're hoping to get some good
shortwave propagation for distant stations, which means the later into the
day the better. However, if the winds are not cooperating for us, we'll go
closer to schedule. We should be able to send email from the launch site,
so watch the KNSP group on Yahoo for updates (you don't have to be
subscribed to see the messages). Recent indications are that 10m
propagation may not be all that good this weekend, but we kind of have to go
with what we have - running out of weekends to do this before May.

Frequency recap:
146.94+ / 446.50simplex - Talk-in
144.39 APRS (every 30 sec) - callsign N9XTN-11
446.50 Simplex repeater
28.210 FSK31 transmissions (every 2 min)

Links:
http://groups.yahoo.com/group/KNSP (last-minute updates)
http://members.home.net/mconner1/nstar.html (main website)
http://map.findu.com/n9xtn-11 (real-time tracking of balloon)
http://map.findu.com/n9xtn-9 (real-time tracking of chase vehicle)

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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689. [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a Microsoft proxy server

From: "Gerald A. Crawford" <k8ger@arrl.net>
Date: Sat, 17 Feb 2001 15:16:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135685-2001.02.17-14.31.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello SIG:

Every time I connect to the WEB, I always get a connect failed.
Even on previous versions. I then close all ports and connect again and it
goes right though... This is though my local ISP....

At 12:28 AM 2/17/01 -0600, Skip Allison wrote:
>I get the same thing at work.
>
>Skip
>K9SA
>
> > Craig Brunson wrote:
> >
> > Does anyone connect to the internet, using Microsoft proxy server &
> > WinAPRS 2.4.8?
> >
> > I try to use WinAPRS at work & all I get is 'TCP port failed'
> >
> > Any clues for those with NOCLUE?
> >
> > Thanks-
> > Craig
> > N7TSZ
> >
>---
>You are currently subscribed to aprssig as: k8ger@arrl.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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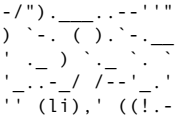

Gerry & Marlynne.....K8GER...& KC8IGK..... with Priscilla above.....
K8GER Repeaters Weather Information System 145.250 / 442.15 MHZ
....Luzerne, MI
APRS - Digipeater on 144.390 and K8GER-9 Mobile
My story on amateur radio....
http://www.qrz.com/callsign.html?callsign=k8ger

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690. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sat, 17 Feb 2001 15:28:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135695-2001.02.17-14.45.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hamish Moffatt wrote:

> By the way, there are a lot better on-air protocols to be using on HF
> for APRS than 1200 or 300bps packet radio.

And don't forget the fact the 1200 or 300 baud is using AX.25 in UI mode...
an even worse scenario. Any kind of FEC would help immensely on UI mode HF.

> There's a new(ish) protocol called NEWQPSK or Q15X25. It has FEC, like

> MFSK (or PSK31 in QPSK mode). There is an implementation of NEWQPSK for
> Linux which looks like a standard AX.25 packet modem. Thus you can use
> NEWQPSK with digi_ned, or aprsdigi, or aprsd, or whatever. Reliability
> would be much better than HF packet (which has no FEC).

Do you have any links to this? Also, be aware that for doing posits alone,
which typically are very short compared to your typical QSO, you need to
consider lockup time as well as tuning. It is all tradeoff's depending on
what your ultimate goal is. So far, all the new HF protocols seem orientated
towards human QSO's and not computer to computer communications. Not such a
good thing for automated APRS tracking.

Also, another factor for APRS you need to consider is if the protocol can
be done on a relatively cheap tracker. I do know PSK31 has been done on
PIC (In CCS 'C'), but not sure if it is possible to do the ones you mention
on a cheap micro.

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

691. [aprssig] Re: [Kenwood] TM-221A Manual

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Sat, 17 Feb 2001 10:33:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135662-2001.02.17-10.57.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry Michael, try it now. Not even one character shall be
out of place! 73 de Glenn...VE4GN

"Michael G. Carper" wrote:
>
> I can't get to the TM-221A manual. Is the path correct?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

692. [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a Microsoft proxy server

From: "Lloyd Mitchell" <lloydm75@hotmail.com>
Date: Sat, 17 Feb 2001 16:30:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135697-2001.02.17-15.43.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay this might be what I need too.

I am connecting from behind a firewall at work. The IS guys have agreed to
let me connect to the APRServer so I may function as an I-gate. They have
asked me for the HTTP name and port that I need to use. Anyone know what my
response to them should be? I'm on WinAprs 2.4.7/PM version.

BTW. I did the APRS powerpoint presentation to the management with a lean
toward the commericial side of GIS tracking and they thought enough of the
concept to allow me to use bandwidth to "play" Igate. yeah!!!

----- Original Message -----
From: "Skip Allison" <sallison@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, February 17, 2001 1:28 AM
Subject: [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a
Microsoft proxy server

> I get the same thing at work.
>
> Skip
> K9SA
>
> > Craig Brunson wrote:
> >
> > Does anyone connect to the internet, using Microsoft proxy server &

> > WinAPRS 2.4.8?
> >
> > I try to use WinAPRS at work & all I get is 'TCP port failed'
> >
> > Any clues for those with NOCLUE?
> >
> > Thanks-
> > Craig
> > N7TSZ
>
> ---
> You are currently subscribed to aprssig as: lloydm75@hotmail.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

693. [aprssig] Re: WinAPRS Coverage circles

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 17 Feb 2001 15:37:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135700-2001.02.17-15.55.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >...and if you have 3dB of power going into that 0dB gain antenna
>
> Hold it right there.
> You can't have "3dB" of power.
> You can have "3dBmW" or "3dBW" or "3dBSomeother_power_unit"

Sure you can have 3dB of power. Watts are implied when talking about
power. Although, it is safe to specifically state it. Let's not play with
a twist
of words, but I am game.

> dB is a relative scale, so in order to say anything sensible, you have to
> say what it's relative to.

That, my friend, is exactly what I stated, but you cut my those words right
out of your response. Read it verbatim...

>>Gain is a relative measurement. If one simply states gain in dB, it

> On antennas there's a reference to another antenna type (3dBi or dBd)

The important factor is to understand the relative difference of 2.1 dB
between an isotropic radiator or a dipole. The key word being "relative".

> 0dB gain = a gain of one (Input power * 1).

No need to rehash unity gain.

> There are also buffer amplifiers, designed to have no actual gain, but to
> perform an isolation function between stages. They may have some small
> positive or negative gain, or be precisely zero.

Is that voltage gain or power gain? Hmmm.... Precisely zero is debatable,
depending on whose instrument we use. Oh no, not that relativity stuff
again.

> >   It simply means we
> >add 0dB gain to the 3dB coming into it. No power (0dB) into a 0dB
> >gain antenna means there will be no power out. Thus, nobody can
> >hear you unless they have telepathic power.
>
> NO.   The "No power" part is correct, but you can't express "No power" as
> 0dB".. Actually, you can't express "No power" in dB, except by using
> something like "-InfiniteDbW".

If your were adding the gain for various stages of a transmitter, are you
saying you would simply not state 0dB if a stage were at unity gain?
If not, how would that fit in an example of say: GAIN = 3dB - 1dB + 0dB.
>From what you say, I should state it as GAIN = 3dBW - 1dBW + "-InfiniteDbW"
Hmmm, I can truely say I have never seen that one before...

> I can set up an op-amp to have a gain of 3dB, but in NO WAY is this
> relative to 1W. It's relative to the input power. (Obviously, a given
> amplifier has a limit on how much input power it can take.)

Really! From what you just told me, you cannot express 3dB as such
if I make a play on the words. I find it interesting you have come back
to what I said earlier about relativity. By the way, does that op-amp
have voltage gain or power gain?   Oops, that may be a different
calculation.

> >   If it is relative to 1 milliwatt, then it would be stated as "dBm".

You agree with me. Yet, you have made a statement indicating
this cannot be true. Is that dBmW or dBmV ? Have we confused
anybody yet. <;o)

I know you understand as well as I understand. Although, I vaguely
remember this all had something to do with unity gain and range
circles.

73's,

Tim - N8DEU
Huntsville, Alabama

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694. [aprssig] Re: PSK-31 old dog new tricks

From: "Jim Morrison" <km5bs@hotmail.com>
Date: Sat, 17 Feb 2001 22:06:20
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135703-2001.02.17-16.21.37--lyris.aprssig#tapr.org@lists.tapr.org>
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I'm not sure the determination of the "best" digital HF mode to work with
APRS is where we need to be going. PSK-31 has a large following as do other
digital modes. It seems like there is another new mode or variation popping
up every day or so. Each has its good points and its weaknesses, making
"best" as much a personal choice as a technical choice.

Where I hope all this leads is that authors of all these cool digital modes
will incorporate ways to make them work with APRS. Why worry about
selecting which one of the HF modes to support to the exclusion of all those
using other modes?

Combining the traffc handling of the new digital modes with the existing
APRS network is an emergency manager's dream (not to mention sounding like a
real kick!). I hope the work Bob is now doing with the PSK-31 authors is
just the start of great things to come!

Go get 'em, Bob!

Jim
KM5BS

>By the way, there are a lot better on-air protocols to be using on HF
>for APRS than 1200 or 300bps packet radio.
>
>There's a new(ish) protocol called NEWQPSK or Q15X25. It has FEC, like
>MFSK (or PSK31 in QPSK mode). There is an implementation of NEWQPSK for
>Linux which looks like a standard AX.25 packet modem. Thus you can use
>NEWQPSK with digi_ned, or aprsdigi, or aprsd, or whatever. Reliability

>would be much better than HF packet (which has no FEC).
>
>
>Hamish

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com

---
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695. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 17 Feb 2001 16:07:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135704-2001.02.17-16.22.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>
>Using it on FM would be completely pointless -- you would lose
>all of its weak signal benefits. PSK31 works well on weak signals,
>not noisy signals; a weak FM signal usually demodulates very noisily.

Field tests show otherwise. There was a recent QST article on 2-meter FM
PSK31 with very promising results. Don't dismiss something until you try it...

73,

Mark
KC7BXS

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696. [aprssig] TinyTrak and Tripmate

From: Jay <jnetterville@nc.rr.com>
Date: Sat, 17 Feb 2001 17:54:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135706-2001.02.17-17.10.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know that there are some web sites that have info about mating a TinyTrak
with a Tripmate but I just can't find them. Can anyone help me out here?? I
need some ideas about the data cable wiring and physical layout of the
power connector. I am planning on using a 5V reg. mounted inside the
tripmate to power the TinyTrak and the GPS. I just need some ideas. Can
someone point me in the right direction???
Thanks in advance...

Jay
KQ4MS
Raleigh, NC

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697. [aprssig] Re: WinAPRS Coverage circles

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 17 Feb 2001 18:12:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135708-2001.02.17-17.30.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:37 PM 2/17/01 -0600, Tim Cunningham wrote:

> > >...and if you have 3dB of power going into that 0dB gain antenna
> >

> > Hold it right there.
> > You can't have "3dB" of power.
> > You can have "3dBmW" or "3dBW" or "3dBSomeother_power_unit"
>
>Sure you can have 3dB of power.

No. You can have 3dBW, or 3dBmW, or you can reference it to any other
level you like.

>Watts are implied when talking about power.

Possiibly in "Tim's engineering school", but not anywhere else.

> Although, it is safe to specifically state it.

I can refer you to page 16 of Horowitz and Hill.
Without typing in the whole thing, they state "Although decibels are
ordinarily used to specify the ratio of two signals, they are sometimes
used as an absolute measure of amplitude." Before you jump on that and
take it out of context, they continue: "What is happening is that you are
assuming some reference signal amplitude, and expressing any other
amplitude in decibels relative to it. There are several standard
amplitudes (Which are unstated, but understood) that are used this way; the
most common references are" Long text follows, mentioning dBV, and dBm.
They finish with:"When stating amplitudes this way, it is best to be
specific about the 0dB reference amplitude.

>Let's not play with
>a twist of words, but I am game.

It's not a twist of words. You're using a relative measurement scale, with
no reference.
It's as correct as expressing your transmit power as "twice as loud".

>The important factor is to understand the relative difference of 2.1 dB
>between an isotropic radiator or a dipole. The key word being "relative".

Yes. ALL measurements expressed in dB, are relative.
You must indicate what you are measuring relative to, when you are talking
about power, if you want others to understand you. (If not, what's the point?)

When you are talking about gain, the standard reference is the input to the
stage.
When you talk about antenna gain, there are two popular standards, dBi, and
dBd, so it is a very good idea to indicate which you mean. When someone is
selling me an antenna, and they indicate XdB gain, I assume dBi, because
I'm a cautious consumer.

> > 0dB gain = a gain of one (Input power * 1).
>
>No need to rehash unity gain.

Apparently we do, see below

>If your were adding the gain for various stages of a transmitter, are you
>saying you would simply not state 0dB if a stage were at unity gain?
>If not, how would that fit in an example of say: GAIN = 3dB - 1dB + 0dB.

Works fine for me, total gain is 2dB.

> >From what you say, I should state it as GAIN = 3dBW - 1dBW + "-InfiniteDbW"

No, that's NOT what I said.

>Hmmm, I can truely say I have never seen that one before...

Probably because it's your distortion of what I said..

You were stating that 0dB was equal to no power at all.
You said: "No power (0dB) into a 0dB gain antenna means there will be no
power out."
0 dB is NOT "no power". It's a power level equal to something, but you
forgot to mention what it was equal to.

You claimed that "0dB" is equal to 1W, which is not true.

If it were true, then this is the statement that you are asserting is true.
"No power (0dBW) into a 0dB gain antenna means there will be no power out."

Fact is, there isn't any convenient way to express "no power" in dB.
"Negative infinity dB" would be the best attempt I could make. It's
technically correct, but it's like writing in roman numerals.

> > I can set up an op-amp to have a gain of 3dB, but in NO WAY is this
> > relative to 1W. It's relative to the input power. (Obviously, a given
> > amplifier has a limit on how much input power it can take.)
>
>Really! From what you just told me, you cannot express 3dB as such
>if I make a play on the words.

Certainly I can. A given amp can be programmed to deliver whatever gain
figure I like, from -(a bunch) to +(whatever the specific op-amp will
deliver into the load) I can definitely design a stage for any given gain
figure. Don't get ridiculous on me, and take that to extremes, like a
100dB gain with 1W input. Unfortunately no such part exists. However, it
remains that I can specify an amplifier's gain in dB, and there is an
accepted standard that refers amplifier gain to input power. (What else
would you refer it to?)

> By the way, does that op-amp have voltage gain or power gain?

Yes. I can also give you current gain.

>Oops, that may be a different calculation.

You need to know the load impedance, obviously.

> > >   If it is relative to 1 milliwatt, then it would be stated as "dBm".
>
>You agree with me. Yet, you have made a statement indicating
>this cannot be true.

No, I didn't.

> Is that dBmW or dBmV ? Have we confused
>anybody yet. <;o)

If you give me the load impedance, I can tell you dBmV.
Without that, all I can say is dBm

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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698. [aprssig] TinyTrak and Tripmate

From: Jay <jnetterville@nc.rr.com>
Date: Sat, 17 Feb 2001 18:26:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135710-2001.02.17-17.43.18--lyris.aprssig#tapr.org@lists.tapr.org>
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Just finished looking a little more and found the info that I needed...
Sorry for the bandwidth....

Jay
KQ4MS
Raleigh, NC

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699. [aprssig] Re: WinAPRS Coverage circles

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 17 Feb 2001 14:17:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135684-2001.02.17-13.34.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>...and if you have 3dB of power going into that 0dB gain antenna

Hold it right there.
You can't have "3dB" of power.
You can have "3dBmW" or "3dBW" or "3dBSomeother_power_unit"

dB is a relative scale, so in order to say anything sensible, you have to
say what it's relative to.

On antennas there's a reference to another antenna type (3dBi or dBd)
On amplifiers, and pads, there's an implied reference to the input.
The output of a 6dB pad is 6dB lower than the input, or -6dB gain
An amplifier may have 3dB gain, again, relative to it's input.

>0dB does not imply that we multiply by 0, because
>we know the answer will always be the same.

0dB gain = a gain of one (Input power * 1).
A wire is an "Amplifier", if you will, with a gain of 0dB.
There are also buffer amplifiers, designed to have no actual gain, but to
perform an isolation function between stages. They may have some small
positive or negative gain, or be precisely zero.

>   It simply means we
>add 0dB gain to the 3dB coming into it. No power (0dB) into a 0dB
>gain antenna means there will be no power out. Thus, nobody can
>hear you unless they have telepathic power.

NO.   The "No power" part is correct, but you can't express "No power" as
0dB".. Actually, you can't express "No power" in dB, except by using
something like "-InfiniteDbW".

In power, "0dB" means that the power is AT the reference level, which you
are leaving off. A correctly formed expression would be "0dBW" which would
mean 1W. -3dBW would be 1/2 W, and 6dBW would be 4W.

On the antenna, the 0dB is an expression of the gain of your antenna,
relative to another type of antenna. You failed to say what type, which
makes your gain number nonsensical. I would assume you meant dBi or dBd
(Isotropic or Dipole) but you could just as easily mean dBStationmaster, or
dBdiscone

>Gain is a relative measurement. If one simply states gain in dB, it
>is generally understood that it is relative to 1 watt of power.

NO NO NO NO NO.

dB is relative to whatever the reference is.

In my telco work, I put signals onto a phone line at -9dBm
That's -9dB, referenced to a milliwatt.

I can set up an op-amp to have a gain of 3dB, but in NO WAY is this
relative to 1W. It's relative to the input power. (Obviously, a given
amplifier has a limit on how much input power it can take.)

If you leave off the reference, when you're talking about power, then
you've made a nonsensical statement. Like talking about frequency by
saying "125.3" Did you mean Hz, MHz, GHz???

>   If it is relative to 1 milliwatt, then it would be stated as "dBm".

That's correct.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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700. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sat, 17 Feb 2001 18:27:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-135712-2001.02.17-17.46.48--lyris.aprssig#tapr.org@lists.tapr.org>
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Mark Fellhauer wrote:

> Hamish wrote:

> >Using it on FM would be completely pointless -- you would lose
> >all of its weak signal benefits. PSK31 works well on weak signals,
> >not noisy signals; a weak FM signal usually demodulates very noisily.

> Field tests show otherwise. There was a recent QST article on 2-meter FM
> PSK31 with very promising results. Don't dismiss something until you try it...

Do you have scars on your hand from touching the glowing red coils of the
stove your mother told you not to touch? ;-)

No doubt it will work on FM just as a audio CW code oscillator will also work on
FM. Might be good to encourage token interest, but doesn't negate the point Hamish
was making.

-Jeff

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701. [aprssig] Re: PSK-31 old dog new tricks

From: "Richard Amirault" <ramirault@erols.com>
Date: Sat, 17 Feb 2001 19:03:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Hamish Moffatt" <hamish@cloud.net.au>
Message-ID: <LYR842-135719-2001.02.17-18.19.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What point was that?

The point of using it on FM (in the QST article) is that it enabled two
stations to communicate THAT WERE PREVIOUSLY UNABLE TO COMMUNICATE with the
radios/antennas that were available to them.

I don't think it's popularity as a mode will "take off" on VHF FM as it has
on HF, but it may prove valuable under certain situations.

Richard Amirault N1JDU Boston,
MA, USA
www.erols.com/ramirault "Go Fly A Kite"
----- Original Message -----
From: "Jeff King" <jeff@aerodata.net>
Sent: Saturday, February 17, 2001 6:27 PM
Subject: [aprssig] Re: PSK-31 old dog new tricks

> > >Using it on FM would be completely pointless -- you would lose
> > >all of its weak signal benefits. PSK31 works well on weak signals,
> > >not noisy signals; a weak FM signal usually demodulates very noisily.
>
> > Field tests show otherwise. There was a recent QST article on 2-meter
FM
> > PSK31 with very promising results. Don't dismiss something until you
try it...
>
> No doubt it will work on FM just as a audio CW code oscillator will also
work on

> FM. Might be good to encourage token interest, but doesn't negate the
point Hamish
> was making.

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702. [aprssig] Re: WinAPRS Coverage circles

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 17 Feb 2001 18:10:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135721-2001.02.17-18.28.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> You were stating that 0dB was equal to no power at all.

No gain or unity gain.

> You said: "No power (0dB) into a 0dB gain antenna means there will be no
> power out."
> 0 dB is NOT "no power". It's a power level equal to something, but you
> forgot to mention what it was equal to.

OK. You caught me here in a moment of brain dead. How about no
power relative to no power into a 0dBd gain antenna. Of course, that
could also be no power relative to no power into a 30dBd gain antenna.
There is no output in either case, but it could make an interest ERP
calculation.

You are correct, the power of the transmiter cannot be expressed by
0dB, otherwise there would be some power based on its relative point.

> Fact is, there isn't any convenient way to express "no power" in dB.

Good point ! After thinking about it, zero power does not fit in the
Decibel system since it is a measuremt of gain relative to some
point. If you were going to add the gain of several amplifier stages,
but the first stage had no power... Hmmm... You could have a lot of
gain, but still no output...

73's,

Tim - N8DEU
Huntsville, Alabama

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703. [aprssig] Re: PSK-31 old dog new tricks

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 18 Feb 2001 11:16:44 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Jeff King <jeff@aerodata.net>,
        TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135722-2001.02.17-18.32.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Feb 17, 2001 at 07:03:54PM -0500, Richard Amirault wrote:
> What point was that?
>
> The point of using it on FM (in the QST article) is that it enabled two

> stations to communicate THAT WERE PREVIOUSLY UNABLE TO COMMUNICATE with the
> radios/antennas that were available to them.
>
> I don't think it's popularity as a mode will "take off" on VHF FM as it has
> on HF, but it may prove valuable under certain situations.

PSK31 would be fine on VHF when used directly, but as an audio
signal modulated on FM, I wouldn't waste my time. The audio from
weak FM signals is noisy, not just faint; PSK31 doesn't do so
well on noisy signals, just weak ones. I have made a lot of PSK31
contacts on HF.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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704. [aprssig] Re: PSK-31 old dog new tricks

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 18 Feb 2001 11:19:21 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135725-2001.02.17-18.34.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Feb 17, 2001 at 03:28:56PM -0500, Jeff King wrote:
> Hamish Moffatt wrote:
> > There's a new(ish) protocol called NEWQPSK or Q15X25. It has FEC, like
> > MFSK (or PSK31 in QPSK mode). There is an implementation of NEWQPSK for
> > Linux which looks like a standard AX.25 packet modem. Thus you can use
> > NEWQPSK with digi_ned, or aprsdigi, or aprsd, or whatever. Reliability
> > would be much better than HF packet (which has no FEC).
>
> Do you have any links to this? Also, be aware that for doing posits alone,
> which typically are very short compared to your typical QSO, you need to
> consider lockup time as well as tuning. It is all tradeoff's depending on
> what your ultimate goal is. So far, all the new HF protocols seem orientated
> towards human QSO's and not computer to computer communications. Not such a
> good thing for automated APRS tracking.

This implementation of NEWQPSK is intended for use as a standard packet
radio modem (in fact there is no way to use it for a normal keyboard to
keyboard QSO, except to make an AX.25 connection!), so it has plenty
of time for locking etc.

I don't think keyboard-to-keyboard QSO modes, like MFSK, RTTY, PSK31,
or MT63, are any good for APRS.

> Also, another factor for APRS you need to consider is if the protocol can
> be done on a relatively cheap tracker. I do know PSK31 has been done on
> PIC (In CCS 'C'), but not sure if it is possible to do the ones you mention
> on a cheap micro.

Good point. I was thinking about HF IGATE stations mostly. This could
be used to link networks via HF only really.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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705. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sat, 17 Feb 2001 19:31:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-135729-2001.02.17-18.51.39--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Mark Fellhauer wrote:

> Ya know, when I pointed out the "folly" of some of the "experiments" going

<CLIP>

Mark:

Once again, you are trying to play the victim when none exists. It is really
getting old and their is no basis for it other then in your own mind. If you
want to believe pig's can fly, I'd never stand in your way. Just make sure
you file the required NOTAM's and have at it.

-Jeff

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706. [aprssig] Re: WinAPRS Coverage circles

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 17 Feb 2001 19:41:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135730-2001.02.17-18.59.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:10 PM 2/17/01 -0600, Tim Cunningham wrote:

> > You were stating that 0dB was equal to no power at all.
>No gain or unity gain.

Correct. It could be at a Kilowatt, or a Milliwatt, but it's still
0dB(something).

>You are correct, the power of the transmiter cannot be expressed by
>0dB, otherwise there would be some power based on its relative point.

You can say 0dBW if you mean 1W output, or 30dBmW Either way, I know what
you mean, as long as you specify the relationship.

> > Fact is, there isn't any convenient way to express "no power" in dB.
>
>Good point ! After thinking about it, zero power does not fit in the
>Decibel system since it is a measuremt of gain relative to some
>point.

Exactly, that's what I was saying.
In dB, you can get real close to zero, but you can't actually get to zero,
as an absolute power measurement.

> If you were going to add the gain of several amplifier stages,
>but the first stage had no power... Hmmm... You could have a lot of
>gain, but still no output...

Makes sense to me, all you're expressing in dB is the gain.

If you measure the out, then you have X Watts.
That is what it is, but it is also some number of dB relative to the input.

This is where we got into trouble in WAPRS.
Someone took 0dB antenna gain to mean the same thing as (Pradiated = Ptx * 0)
when in fact it's (Pradiated = Ptx * 1).

We still don't know (as far as I am aware) wether we're supposed to be
entering antenna gain as dBi or dBd.
As you pointed out, that's a 2.1dB difference. Not insignificant.

My audiologist once told me that I had an "insignificant" hearing loss of
60dB at one frequency..
I offered to apply a 60dB loss to her paycheck. (Which would work out to a
total pay of about $0.10/Year)

I have a new audiologist now.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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707. [aprssig] second.apes.net down

From: Greg Noneman <greg@clubnet.net>
Date: Sat, 17 Feb 2001 17:24:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135732-2001.02.17-19.40.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The second.aprs.net (socal.aprs.net) server went down at approximately
2:00 PST on Saturday Feb. 17. It appears that the hard disk has been
corrupted. Initial recovery techniques have failed. I will make some
additional attempts tomorrow. It may be time to replace that drive. A
reformat may offer a temporary solution, but not necessarily the correct
long-term solution.

I will post status updates as they become available.

Greg
WB6ZSU

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708. [aprssig] KPC2 TNC files

From: Randy Farley <rdfarley@fmtc.com>
Date: Sat, 17 Feb 2001 19:06:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135736-2001.02.17-20.24.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi

Someone sent a zipped KPC2 startup file for APRS a few weeks back.
I got the file and gave it to a friend who has this tnc. We have
misplaced it and would appreciate another copy or let me know where to
download it if archived somewhere.
We cannot get his tnc to work properly with the generic tnc files
provided with his aprs program. Data seems to hang up in the buffer for
some reason. He has to send a diplay command, then the data finally
shows up in terminal window from received stations Overlooking some
command setting.

Any help appreciated,direct responses welcomed

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

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709. [aprssig] Re: Software

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sat, 17 Feb 2001 22:18:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135749-2001.02.17-22.33.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Any ideas? We run both APRS and packet here.   Are
>currently providing the comms for the Yukon Quest Sled race
>and we have packet links from Dawson to Fairbanks.....about
>500 miles!   It is working great, using VHF.
>
>Thanks to all who work so hard on all the programs we use.

I don't have a complete solution for you yet, but if you want to go look at
http://groups.yahoo.com/group/jeaprs, you'll find some APRS foundation
software. I suppose that a socketfactory could be create to turn the TNC's
ports into Java sockets. If you will tell me more about what the two windows
do (just display packets?) I'll keep this in mind as the project proceeds.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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710. [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a Microsoft proxy server

From: "George Kammerzell Jr. n0zed" <n0zed@rmaprs.org>
Date: Sat, 17 Feb 2001 16:34:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135713-2001.02.17-17.48.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well it would be best to give them the full IP in stead of the http and
they(IP addresses are in the
aprsxtra.txt file in the mail winaprs folder. HMM active ELT search comming
thru on the scanner , go to go

-----Original Message-----
From: bounce-aprssig-17112@lists.tapr.org
[mailto:bounce-aprssig-17112@lists.tapr.org]On Behalf Of Lloyd Mitchell
Sent: Saturday, February 17, 2001 2:31 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a
Microsoft proxy server

Okay this might be what I need too.

I am connecting from behind a firewall at work. The IS guys have agreed to
let me connect to the APRServer so I may function as an I-gate. They have
asked me for the HTTP name and port that I need to use. Anyone know what my
response to them should be? I'm on WinAprs 2.4.7/PM version.

BTW. I did the APRS powerpoint presentation to the management with a lean
toward the commericial side of GIS tracking and they thought enough of the
concept to allow me to use bandwidth to "play" Igate. yeah!!!

----- Original Message -----
From: "Skip Allison" <sallison@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, February 17, 2001 1:28 AM
Subject: [aprssig] Re: connecting WinAPRS2.4.8 to the internet through a
Microsoft proxy server

> I get the same thing at work.
>
> Skip
> K9SA

>
> > Craig Brunson wrote:
> >
> > Does anyone connect to the internet, using Microsoft proxy server &
> > WinAPRS 2.4.8?
> >
> > I try to use WinAPRS at work & all I get is 'TCP port failed'
> >
> > Any clues for those with NOCLUE?
> >
> > Thanks-
> > Craig
> > N7TSZ
>
> ---
> You are currently subscribed to aprssig as: lloydm75@hotmail.com
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>
>

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711. [aprssig] Re: Software

From: "James Wiles" <kk5wm@ipa.net>
Date: Sat, 17 Feb 2001 22:58:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135754-2001.02.17-23.13.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For plain packet, HostMaster II+ is the best DOS software and will support
up to 43- or 50-line display. It is what I normally use for packet on my
KAM. Kantronics also has PACTERM available for a free download, but I
don't know it's capabilities.

XPKAM (DOS) and XPWIN (Windows) from KF7XP are also good commerical
programs. I have used the XPWIN program in the past and found it quite
nice. All of these (and others that have been mentioned) will provide the
separate windows you are looking for.

Most of the APRS software will support the dual-port TNCs...WinAPRS, APRS+
and UI-View (what I use) have had no problem with my KAM and will gate to
HF if I were to hook up my "big rig".

Good luck and 73!

James Wiles KK5WM
White County, AR, Emergency Coordinator
Beebe, AR - KK5WM/BEEBE APRS Relay Digi
kk5wm@ncaars.org

On 02/16/01, "Linda Mullen <ad4bl@mosquitonet.com>" wrote:
> Hi all,
>
> I am looking for some packet software that will work with
> a dual port Kantronics All Mode. I need it to have a window
> for each port that are both on the screen at the same time.
>
> I have the PCPackrat software that does it but it will only
> work with the AEA units.
>
> Any ideas? We run both APRS and packet here.   Are
> currently providing the comms for the Yukon Quest Sled race
> and we have packet links from Dawson to Fairbanks.....about
> 500 miles!   It is working great, using VHF.
>
> Thanks to all who work so hard on all the programs we use.
>
> Linda <><

>
> --
> Linda AD4BL
> ad4bl@mosquitonet.com
> Fairbanks, Alaska
> He came to pay a debt He didn't owe,
> because we owed a debt we couldn't pay!

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712. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sat, 17 Feb 2001 19:23:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-135726-2001.02.17-18.42.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Richard Amirault wrote:
>
> What point was that?

The point the poster was making.

> The point of using it on FM (in the QST article)

Fine, but that is not the point the poster was making. I thought that
by also mentioning modulated CW (mcw), even the arguementive crowd on this SIG
might be able to grasp the point.... that is, that you throw away the
majority of weak signal advantage by layering one modulation mode atop
another.

In other words, saying the same thing the original poster was saying, but
using MCW as compared to CW, it might be grasped better by some.

-Jeff

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713. [aprssig] Re: TinyTrak and Tripmate

From: "Sid Knox" <sbjknox@tah-usa.net>
Date: Sat, 17 Feb 2001 23:24:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135756-2001.02.17-23.38.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jay, this should keep you busy for a while.... there
are even more out there!!

Tripmate modification sites:
http://www.users.cloud9.com/~alan/ham/aprs/mic-e-tripmate.html
http://www.qsl.net/n3vn/aprs.html
http://wes.johnston.net/aprs/tripmate.htm
http://www.rain.org/~jkrigbam/tripmate.html
http://www.aprs.net/vm/kpc3/tripmate.htm
http://pages.prodigy.net/thirsch/tripmate.htm
http://www.execpc.com/~n9uur/delorme.html
http://www.execpc.com/~n9uur/buildtripmim.html
http://members.aol.com/n0hzn/
http://www.g7ltt.com/aprs/100dollaraprstracker.htm

Tripmate general info sites:
http://www.ualberta.ca/~norris/navigation/GPS/DLW_1.html
http://www.ualberta.ca/~norris/navigation/GPS/DLW_2.html
http://oeonline.com/~hdodgson/trip.html

I know that there are some web sites that have info about mating a
TinyTrak
with a Tripmate but I just can't find them. Can anyone help me out here??

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714. [aprssig] APRS - PSK31

From: "Jim Morrison" <km5bs@hotmail.com>
Date: Sun, 18 Feb 2001 01:59:53
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135733-2001.02.17-20.14.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,
Before we get a full blown flame war going over which HF digital mode, if any, is appropriate for use on APRS, I think we need to focus on what I think is actually going on.

If you read Bob's posts, you will find (if I read them correctly) that he is trying to figure out a way to have existing PSK31 software talk to existing APRS software while both are running on the same machine. In doing this, PSK31 stations would show up on the APRS map. As a user of both APRS and PSK31, I think this is really cool. I also hope to see something similar developed for software of other HF modes.

So far, I have not seen anything about his advocating adoption of PSK31, or any of the other new HF modes as a standard for transmitting APRS info.

I have no doubt that if any of the modes can ever be adapted for APRS, Bob is just the man to figure it all out. All of these soundcard based modes seem to be a "work in progress", with new uses and capabilities being found all the time. Who knows where they will be in a couple of years? I think that's one of the big draws in ham radio right now.

Discussions about which of the HF modes is best for this or that are frequently held on several other reflectors (check out www.qth.net) and quite often blow up into extensive flame wars. I would hate to see this happen on the APRSSIG, especially when it may be way premature.

Just my $.02 worth.....

73's
Jim
KM5BS
_____
Get your FREE download of MSN Explorer at http://explorer.msn.com

---
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715. [aprssig] Re: PSK-31 old dog new tricks

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 18 Feb 2001 20:05:10 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135782-2001.02.18-03.19.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Feb 17, 2001 at 11:26:26PM -0600, Mark Fellhauer wrote:
> My question is why continue the negativity? You made your point. One of
> the major problems I see on this SIG are the nattering nabobs of negativity
> no matter what someone wants to do or question they ask. Not everyone
> holds a General class license, nor wants to spend $300 or more to buy an HF
> or SSB rig, but would still like to experiment and play with the mode with
> the existing equipment they have. As has been pointed out above the
> pontification by a few, that several people are now reporting very good
> results on FM with the mode and making contacts where FM voice
> communication with the same equipment is not possible. Why not just
> accept that and move on? Or are you just keep on saying it's stupid and a
> waste of time... So I guess 2 meter FM code practice nets are just a wast
> of of time, too... No good comes from those.

Well Mark, 2m FM CW practice nets are something completely different.
I used one of those to pass my CW tests and I am very grateful to the gentleman who ran the net (now an SK unfortunately).

However, those nets don't aim to make DX CW contacts, do they?
By all means experiment with PSK31 on FM, but don't pretend that you will be making long distance contacts with it, and don't

try to tell others that they can.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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716. [aprssig] Re: TinyTrak and Tripmate

From: "Byon Garrabrant" <byon@mail.com>
Date: Sat, 17 Feb 2001 16:33:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135727-2001.02.17-18.47.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 17 Feb 2001, at 17:54, Jay wrote:

> I know that there are some web sites that have info about mating a
> TinyTrak with a Tripmate but I just can't find them. Can anyone help
> me out here?? I need some ideas about the data cable wiring and
> physical layout of the power connector. I am planning on using a 5V
> reg. mounted inside the tripmate to power the TinyTrak and the GPS. I
> just need some ideas. Can someone point me in the right direction???
> Thanks in advance...
>

For information on mounting a TinyTrak in a Delorme Tripmate
GPS, visit John Scott's (N0HZN) page at
http://members.aol.com/n0hzn and Brian Klier's (N0QVC) page
at http://kliernetwork.net/aprs/tinytrak.

I have added the above to the TinyTrak links page at
www.byonics.com/tinytrak.

Byon

_____
Byon Garrabrant N6BG byon@mail.com

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717. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 17 Feb 2001 23:26:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135758-2001.02.17-23.41.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:16 PM 2/17/01, Hamish Moffatt wrote:

>PSK31 would be fine on VHF when used directly, but as an audio
>signal modulated on FM, I wouldn't waste my time. The audio from
>weak FM signals is noisy, not just faint; PSK31 doesn't do so
>well on noisy signals, just weak ones. I have made a lot of PSK31
>contacts on HF.
>

My question is why continue the negativity? You made your point. One of
the major problems I see on this SIG are the nattering nabobs of negativity
no matter what someone wants to do or question they ask. Not everyone
holds a General class license, nor wants to spend $300 or more to buy an HF
or SSB rig, but would still like to experiment and play with the mode with
the existing equipment they have. As has been pointed out above the
pontification by a few, that several people are now reporting very good
results on FM with the mode and making contacts where FM voice
communication with the same equipment is not possible. Why not just
accept that and move on? Or are you just keep on saying it's stupid and a
waste of time... So I guess 2 meter FM code practice nets are just a wast
of of time, too... No good comes from those.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

718. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 17 Feb 2001 18:10:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-135720-2001.02.17-18.24.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ya know, when I pointed out the "folly" of some of the "experiments" going on in APRS I was heartily shouted down. I got all sorts of responses that I was a killjoy and worse... Some of us want to play around and have fun. As I pointed out to you before Phoenix had a 2 meter RTTY net for many years - just for FUN. Get it? No one wants to set any distance records or thinks they're going transcontinental - we just want to have fun. Again, have you read the article? Have you even used PSK31? I can dig out very good PSK contacts on 3580 despite very strong local RF interference.

If you don't like what were doing than ignore it, we're not hurting you... WE WANT TO HAVE FUN. IS THAT OK WITH YOU?

Mark

At 05:27 PM 2/17/01, Jeff King wrote:

>Mark Fellhauer wrote:
>
> > Hamish wrote:
>
> > >Using it on FM would be completely pointless -- you would lose
> > >all of its weak signal benefits. PSK31 works well on weak signals,
> > >not noisy signals; a weak FM signal usually demodulates very noisily.
>
> > Field tests show otherwise. There was a recent QST article on 2-meter FM
> > PSK31 with very promising results. Don't dismiss something until you
> try it...
>
>Do you have scars on your hand from touching the glowing red coils of the
>stove your mother told you not to touch? ;-)
>
>No doubt it will work on FM just as a audio CW code oscillator will also
>work on
>FM. Might be good to encourage token interest, but doesn't negate the
>point Hamish
>was making.
>
>-Jeff

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719. [aprssig] Regis Philbin and the "PSK31 old dog" thread

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 18 Feb 2001 08:17:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135809-2001.02.18-07.32.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In response to a continuing discussion around statements like:
"By all means experiment with PSK31 on FM, but don't pretend that
you will be making long distance contacts with it, and don't
try to tell others that they can."

```
---------------------------------------------------------------------
Place these following statements in chronological order, as they were
proven incorrect -- starting with the earliest:

A. Sustained flight by heavier-than-air craft is impossible
B. FM-based packet can't be used to study RF propagation
C. The earth is the center of the universe
D. SSB/CW/HSCW are the only real modes that can be used for
   meteor communications
---------------------------------------------------------------------

Ev, W2EV

P.S. - To those outside of the USA, Regis Philbin is the host of an
American TV program called, "Who wants to be a Millionaire".  The
contestents are chosen based on how quickly they can place events in
order.

---
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```

720. [aprssig] Central Servers down?

```
From: "Dick Stanich" <dstanic@c2i2.com>
Date: Sun, 18 Feb 2001 8:53:23
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135814-2001.02.18-09.08.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I understand that SECOND.APRS.NET down. But, FIRST is taking connects and
not sending data. THIRD is sending data, but, nothing is being echoed.

Anybody experiencing the same thing?

Dick Stanich, KB7ZVA
Southwest Arizona APRS group

---
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```

721. [aprssig] Re: Regis Philbin and the "PSK31 old dog" thread

```
From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 18 Feb 2001 07:44:49 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135818-2001.02.18-09.59.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>
> P.S. - To those outside of the USA, Regis Philbin is the host of an
> American TV program called, "Who wants to be a Millionaire".  The
> contestents are chosen based on how quickly they can place events in
> order.

The Brits, at least, are quite familiar with the show, since their
version was the original and has the added advantage of not including
Regis Philbin.

---
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```

722. [aprssig] Delorme Earthmate and WinAPRs

```
From: BordingK@aol.com
Date: Sun, 18 Feb 2001 10:44:18 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135819-2001.02.18-10.00.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
A non-sigger KG4JLA has a Delorme Earthmate GPS and wants to use it with
laptop mobile WinAPRS.

I thought I read something about a means to make this almost useless GPS do
APRS tricks.  If there an option in WinAPRS (couldn't find a menu option) to
read the funny non-NMEA data stream?
```

Thanks in advance.

DE W5KNB
Ken

723. [aprssig] Re: Sounds in WINAPRS

From: "Jeff Brenton" <jeffb@espi.com>
Date: Sun, 18 Feb 2001 10:09:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-135822-2001.02.18-10.24.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The WinAPRS sounds are all in the "sounds" directory under WinAPRS. The list
of what sound file is used for which event is in the WinAPRS documentation.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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724. [aprssig] Home Web-Without-Wires Faces Battle Over Standards

From: WA4TKGMatt@aol.com
Date: Sun, 18 Feb 2001 11:18:35 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135824-2001.02.18-10.34.01--lyris.aprssig#tapr.org@lists.tapr.org>
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Where do they plan to DUMP THIS ? on the spectrum?

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725. [aprssig] Serial Port Sharing on a Network?

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 18 Feb 2001 13:25:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135848-2001.02.18-12.41.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is probably a stupid question but maybe I will get lucky. Been
on APRS ever since the first beta versions and have tried most
every flavor of APRS since. I finally built a home 100mbps network
last night, it did not take much and I really don't know much about
networks.

Now I have 3 computers on the network, all using 1 modem for the
internet so I can run WinAPRS with TCP/IP from any of them and
that is great BUT...I have ONE computer on the network with my
TNC->Radio. Is there any way (setting or program) that I can
access that serial port/TNC from another computer on the network?
I want the ability to run APRS (or any application using that serial
port) by either running the application local to that serial port or
using a application local from the client.

Thanks!
Rich Garcia K4GPS EX: N2CZF KA2FXA
k4gps@bellsouth.net
Jupiter Farms, Florida

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726. [aprssig] WX Station

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Sun, 18 Feb 2001 09:19:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135813-2001.02.18-08.33.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to say THANKS to all those who responded to my request for info
on hooking up a weather station to both an APRS digi... and a 2M voice
repeater controller...

In addition... please keep sending your comments.... I am getting an
excellent education and every comment will help as we go forward and make
the implementation happen....

ALOHA
AH6LS

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727. [aprssig] WinAPRS & QRZ on HD

From: Arte Booten <n2zrc@webspan.net>
Date: Sun, 18 Feb 2001 14:01:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135852-2001.02.18-13.36.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

     Several months ago, in correspondence with Fred Lloyd (AA7BQ), edi-
tor of the QRZ callbook CD, I learned how to access the database from my
harddrive. To do so, install the program as usual, then copy everything
in the /callbk directory to a new directory in the root of your HD named
callbk . Then open qrz32.ini with any text editor (it'll probably be in
your WINDOWS directory and edit the following lines:

[Misc]
TempFileDir=C:\ham\qrz\temp   (or wherever your QRZ installation lives)
DefaultSaveDir=C:\ham\qrz\save (or wherever your QRZ installation lives)
DataDrive=C:
OtherPath=C:\

     I can tell you that it works great ... you don't have to insert the
CD every time you want to use it and runs almost instantaneously. But..

     I tried to use this path (C:\callbk\) as pointers in setting up the
Callbook feature in WinAPRS. It confirms the location of the files. It
even seems to create and save a data file. BUT IT DOESN'T SEEM TO WORK!
Has anyone got this to work successfully? I've already got PM3 on my HD
and would like to be able to run both with WinAPRS ... well, as much as
I like to run WinAPRS at all. Until such time as Bob B. has a chance to
build support for the WM-918 Weather Station, WinAPRS seems like its the
only game in town.   73
+---+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bu]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 3B03|
+---+

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728. [aprssig] NSACAR and GPS

From: "Ray J. Vaughan" <ray@rayvaughan.com>
Date: Sun, 18 Feb 2001 14:38:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135853-2001.02.18-13.53.14--lyris.aprssig#tapr.org@lists.tapr.org>
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If any of you happened to be watching the NASCAR Daytona 500 a few minutes ago, you may have just seen a
 new GPS application.

They demo'ed something they're 'still getting the bugs out of'. They show a car number, name and speed at the top of the screen. Then a line connects this to the actual live video of the car on the track. As the car moves and the camera angle changes, the line keeps up with the car.   How do they know where the car is?   DGPS.   I saw them testing this back in Miami a few months ago.   Telemetry from the car includes a DGPS correction.   This all comes back to a van in the TV compound. A computer figures out how to draw the line from a fixed point on the screen to the place in space where the car is.   Pretty cool stuff.

I don't really have much more detail than this, but I think you can figure out how this works in your mind.   I'll try to get some more info next time I work at a NASCAR race.

Here are some pics of the technology behind the scenes at NASCAR in Miami:

http://www.rayvaughan.com/nascar.htm

Maybe the scientists here can figure out how to do this at public service events... Live ATV video of the event... position from the APRS network...   Picture the AZ/EL beam tracker set up with a camera instead.   Just add some computer generated graphics, which you can do on desktop computer these days... who knows what we''ll come up with.

Ray J. Vaughan, MS, CBTE, CERT
KD4BBM PG-7-15266
http://www.rayvaughan.com/
ray@rayvaughan.com
ray@2-way.com

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729. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>

Date: Sun, 18 Feb 2001 13:38:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135854-2001.02.18-13.53.21--lyris.aprssig#tapr.org@lists.tapr.org>
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At 03:05 AM 2/18/01, Hamish Moffatt wrote:

>Well Mark, 2m FM CW practice nets are something completely different.
>I used one of those to pass my CW tests and I am very grateful to the
>gentleman who ran the net (now an SK unfortunately).
>
>However, those nets don't aim to make DX CW contacts, do they?
>By all means experiment with PSK31 on FM, but don't pretend that
>you will be making long distance contacts with it, and don't
>try to tell others that they can.
>

First off I merely pointed out that I was going to build an soundcard to rig interface and try FM PSK31.   Futhermore I pointed that several people have stated that THEY have gotten surprising results from doing this themselves.   In fact, I have seen two articles on FM PSK31 in separate national publications (Both CQ and QST) by different authors with their results.   Buck Rodgers, K4ABT, has even stated on his web site that he has gotten several comments from people experimenting with FM PSK that they have been able to communicate with FM PSK31 on paths where FM voice communications have failed side-by-side.

I don't consider these contacts to be DX per-se, nor are they long-range except in the sense of using the same equipment and antenna successfullly where voice communications fail. Of course, the most range one can ever expect from VHF, under normal conditions, is 60 to 200 miles maximum.

I did not make these claims or pretend that they happened - I merely RELATED what other people are writing and saying.   My point in trying this IS TO SEE FOR MYSELF.

If you have a problem with this, perhaps you should write QST and challenge the article they published and it's author.   I don't know why you and Jeff King have such a hard time with what I promoted - which is testing out the mode to see if we can authenticate/duplicate the claimed successes of others.   It seems that most of the people here get it, as I have gotten

several private emails from people either asking to partake in such an
experiment or wanting to know what my results are.

73,

Mark
KC7BXS

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730. [aprssig] Sounds in WINAPRS

From: Robert Burton <kd4ydc@juno.com>
Date: Sun, 18 Feb 2001 07:48:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135806-2001.02.18-07.03.31--lyris.aprssig#tapr.org@lists.tapr.org>
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I would like to change the .wav file of "incoming packet" to something else.
I have recorded a .wav file and would like to tryit. Where is this file??
(Probably something very simple that I have over looked ;-) Wanting to
change this on the WX4PTC station in the NWS in Peachtree City, GA so as to
alert the staff of a incoming "Storm Report". They have some many computers
with different sounds...this one needs to be unique.
Thanks,
Robert
KD4YDC

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731. [aprssig] PSK31 overlayed on FM=no good. Really?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 18 Feb 2001 18:07:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135891-2001.02.18-17.22.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff,
Let's refocus:
In a general way there are people who made statements similar to this,
"overalying of PSK31 onto an FM carrier will not provide any positive
benefit".

Yet, QST recently ran an article that said otherwise. QST's information
provides a basis for experimental re-creation and verification. The
article stated what was attempted, how it was done and the result of the
activity. This made it a re-creatable experiment.

On the other hand...on this sig, we've heard from a couple of people who
said it's a waste of time, but without backing up anything with any
auditable fact.

Open request to those who see PSK31 overlayed on FM as being no-good:
Please substantiate (in the name of "technical accuracy") any opposite
point-of-view for the benefit of those of us who don't share your
experiences or knowledge. Promise...no game-show analogies for the sake
of levity. :o)

Ev

Jeff King wrote:
>
> Ev Tupis wrote:
>
> > In response to a continuing discussion around statements like:
>
> The problem with this thread is people are hearing what they want
> to hear, cutting, deleting and pasting out of context and keep insisting on
> bringing their holy cows into it.   OK, since that is exactly what you

> seem to be doing, lets put your "Regis Philbin" quiz in the proper
> context (and what does "Regis" have to do with APRS?).   You said:
>
> > --
> > Place these following statements in chronological order, as they were
> > proven incorrect -- starting with the earliest:
>
> ...
>
> > D. SSB/CW/HSCW are the only real modes that can be used for
> >   meteor communications
>
> If you want to (and care to) stay within the framework of the statements
> that were being made, you will need to reword the quiz, statement D as follows:
>
> D. AFSK AX.25 frames atop FM is a better mode for meteor communications
>   then more direct, verbose protocols and/or narrow band modes such as SSB
>   and CW.
>
> Now, before you get your head in a tizzy and assume I am attacking
> your propnet, I'm not. They way you are doing it is perfect for your
> specific goal. But here you are trivilizing the statements of SIG
> member, statements that are totally accurate and technically sound,
> with comparisions to tacky American gameshow hosts. What gives here?
>
> I really think their is room on this SIG for some technical
> accuracy once in a while without bringing the jihad down as often seems
> to happen.... technical accuracy doesn't mean one is attacking your holy
> cow or denying you some fun diversion.
>
> It simply is what it is and no more.
>
> -Jeff

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732. [aprssig] E-mail reflector problems

From: Frank Ingle <73545.1210@compuserve.com>
Date: Sun, 18 Feb 2001 18:19:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135892-2001.02.18-17.35.43--lyris.aprssig#tapr.org@lists.tapr.org>
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Stan,

Several have observed that we seem to have a new problem
on the SIG. Some messages are getting delayed as much as 4
hours! This in turn has created some additional problems:
1) Often we see replies to questions before the actual questions
appear. Since the whole context often not clear, the answers
are sometimes misunderstood, and sometimes needlessly
challenged.
2) Since many questions could be answered by dozens of
SIG members, in the past not everyone has responded to every
question. I often take a wait-and-see approach, and volunteer an
answer only when its clear that no one else has addressed it well.
When replies are delayed, then the wait-and-see approach stops
working, and we find several people providing the same reply
to a single question. This wates bandwidth, and the time of
every one on the SIG.

The bottom line is that something has broken in the last week or
so, and that it is having an adverse impact on the SIG. Can you
report the problem to the SIG host, and see if they have a fix?
If not, perhaps it may be time to seek a new host.

-73-

Frank Ingle, KG4CQK

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733. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Jeff King <jeff@aerodata.net>
Date: Sun, 18 Feb 2001 19:09:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135897-2001.02.18-18.30.03--lyris.aprssig#tapr.org@lists.tapr.org>
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Hello Ev:

Ev Tupis wrote:

> Let's refocus:

This will only change and confuse
the question, which is a simple one. That is, given the same power
level, frequency and propagation characteristics, will baseband PSK31
far far outperform PSK31 overlaid atop a FM carrier? As a reminder of
what you are discussing, here is the posters original statement that
started all this:

> >Using it on FM would be completely pointless -- you would lose
> >all of its weak signal benefits. PSK31 works well on weak signals,
> >not noisy signals; a weak FM signal usually demodulates very noisily.

And from a strictly technical standpoint, I agreed with his statement.

> In a general way there are people who made statements similar to this,
> "overalying of PSK31 onto an FM carrier will not provide any positive
> benefit".

I recognize positive benefits.... as a demonstration method for PSK31
or a fun diversion, it would work fine. But by overlaying it atop a
FM carrier you have to understand you throw
away the majority of advantages, which is exactly what the first poster
was saying. And as I said to you in private e-mail,
sure it might work slightly better on FM then 1200 baud AX.25 AFSK on FM but
that has as much to do with coding methods (FEC and Varicode as contrasted
to 8bit ax.25 ascii) as it does anything else... but we are still talking
magnitudes of difference between that and how it was intended to be used
as a baseband modulation method.

> Yet, QST recently ran an article that said otherwise.

As I asked you in private e-mail, if you could send me that article, I'm
sure I can find the disclaimer in it that set the parameters for its claim(s).
As I also mentioned in my private e-mail, I did read the article on the
$49 80 meter 3 watt PSK31 transceiver that could regularly achieve 200+ mile
ranges. How well do you think this same transmitter, at the same power
level and frequency, would work if it was converted to FM and then the PSK31
audio then modulated the FM carrier (assuming it was legal)?

> On the other hand...on this sig, we've heard from a couple of people who
> said it's a waste of time, but without backing up anything with any
> auditable fact.

If your goal is to create a weak signal mode, then using PSK31 atop a FM
carrier as opposed to using is baseband (for example, by feeding it into
a SSB transmitter) is a waste of time. I wasn't the one that said that
previously, but in the context of which the poster was saying this, I agree.

Wireless Digital Communications: Design and Theory by Tom McDermott is a
good first step in understanding RF digital modulation theory.

> Open request to those who see PSK31 overlayed on FM as being no-good:

This is too broad of a statement.... "no-good" in what context?

> Please substantiate (in the name of "technical accuracy") any opposite
> point-of-view for the benefit of those of us who don't share your
> experiences or knowledge.

See above for a textbook that cover digital modulation theory. But here is
easy way to prove it to yourself. You'll need two stations, both
equipped with 2 meter FM and SSB transceivers, preferably a multi-mode

unit, and also some attenuators might help. Set up a FM QSO using PSK31
and adjust the attenuators until you achieve a certain BER (seat of the
pants) or if the program you are using accesses the core PSKCore DLL
written by ae4jy, they should have available to them PSK31 Signal strength
/quality value. (VC++ Prototype: long_stdcall fmGetSignalLevel(long channel)).
>From   http://www.qsl.net/ae4jy/files/pskcoredll120.pdf

You could also do this seat of the pants, but just make sure you are in
PSK mode and not QPSK (which uses FEC).

Anyways, if you are able to adjust your FM power, then reduce it until you
no longer have copy or BER had degraded. You also could do this by swinging
your beam off the other station, if that is what you are using. Then, go
to SSB mode, with the same power/rf signal level, you should have close to
perfect copy, and then turn your power down until BER is similar to the
case with FM. You should notice a dramatic difference between the two.

It also would help to optimize the RF noise bandwidth, but even if you
can't (lower then a SSB filter), you still should see a big difference.

Let me know what you get.

73

Jeff

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734. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sun, 18 Feb 2001 20:28:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135916-2001.02.18-19.46.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

> I don't know why you and
> Jeff King have such a hard time with what I promoted

OK, I'll bite.

What you are "promoting" and the message you challenged were two different
things. You are now "promoting" something different then the specific technical
fact you challenged Hamish on.

Try the experiment I outlined to Ev in my last message. It should prove the
point Hamish was trying to make to you in a layman's fashion, which is the very
point you disputed in the original posting on this sub thread.

Thank you

-Jeff

Mark Fellhauer wrote:
> (Hamish wrote:)
> >
> >
> >Using it on FM would be completely pointless -- you would lose
> >all of its weak signal benefits. PSK31 works well on weak signals,
> >not noisy signals; a weak FM signal usually demodulates very noisily.
>
> Field tests show otherwise. There was a recent QST article on 2-meter FM
> PSK31 with very promising results. Don't dismiss something until you try it...

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735. [aprssig] NSTAR 01A scrubbed - details

From: "Mark Conner" <mconner1@home.com>
Date: Sun, 18 Feb 2001 15:29:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135881-2001.02.18-15.44.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NSTAR Flight 01A was scrubbed at about 10am CDT.

At around 8am, Ralph W0RPK and I arrived at NWS Valley to start the integration and testing of the FSK31 transmitter. When hooked up to the payload's power supply and data, the PIC for the FSK31 would not start. However, the PIC would start for the Basic Stamp 1 brought to feed it test data.

We went inside the NWS office to debug the problem (it was about 10F at 8am). After about 90 minutes we still weren't quite sure where the problem was, but had better ideas of what it was not. We then started considering flying the FSK31 payload with its own power supply and the BS1 feeding it a static beacon (so we could at least test the basic function and propagation).

However, by this time the main battery voltage had fallen to 7.03 volts and was continuing down. This is on a nominally 7.2V NiMH battery pack, indicating probably less than 50% life left. Previous flights had started at over 8.0V and and dropped to only 7.5V after four hours of operation. Since we had run the payload less than two hours, I felt that the battery would not last another two for the flight, or at minimum would have no margin for locating the package after landing. I had noticed during testing this week that the battery was not quite performing up to normal specs, but was not as bad as seen this morning. Since Murphy was pretty well up on us for the morning, I felt launching was just asking for a lost payload, so I scrubbed for today.

Ralph has the controller unit for extended testing at his QTH, and I'll take apart the battery pack to look for dead cells (shouldn't be - they've only been through <25 charge cycles) or other problems. Last time I had a battery problem, it turned out I had wired a cell in backwards. I'm only 98% sure this hasn't happened again. Next weekend looks like poor weather, and I don't think I can do enough testing in the next few days to bother with even a tentative date of 24/25 Feb. On Saturday 3 March, there is a hamfest in Council Bluffs and the main spotter training course for the Omaha area.

So our next tentative date is Sunday, March 4th, from NWS Valley at 1630 UTC. If we are unable to launch on the 4th, the next opportunity is not earlier than tax weekend (14/15 April) due to work conflicts. It may be even later as I could have a couple of business trips in the last two weeks of April. At least by then we shouldn't have to worry about snow on the roads and freezing our feet off.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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736. [aprssig] GPS 162

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 18 Feb 2001 21:05:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135919-2001.02.18-20.19.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd like to let ya'll know about a new GPS I just got. It's the Garmin 162. At first glance, this gps is about the same as the GPS 3plus that so many are using with the kenwood radios. It takes map source CDs for local area maps, and it's about the same price as a GPS 3plus. I've been playing with the unit for about 2 days now, and am completely satisfied with it.

Screen:

Pro:
Huge screen. 4inches square. Easy to read in direct light, pleasing white backlight. 11 brightness levels.
Con:
Big flat screens have lots of surface to provide glare. Mount it in your car so that it either tilts up to the (dark colored) headliner or down to a line below the windows.

Mapping:
Pro:
Holds 2.7 megs of maps. I got nearly the whole eastern half of SC in the unit and Savannah GA. The unit seems to refresh the screen ALOT faster than the street pilot when it "track up" mode. I was able to upload maps at 115k baud... 2.5megs in about 2 or 3 minutes!
Con: no find function like the street pilot, and although it displays a cutsie icon to show what services are available at exits, I have yet to figure out how to get the unit to elaborate on said services. One sneakie... I upgraded from 2.13 firmware to 2.5x , I lost about 34k of map space; and had to reload all my maps, less one county.

Firmware:
Pro:
The GPS engine is the same as the GPS 3 and GPS 2plus' that we're all familiar with. The fastest warm start to date for me was about 4 or 5 seconds (before I could press enter for the silly legal notice page). Each "page" in this unit can be customized. I'm accustomed to the GPS 2plus where they provide you a preselected piece of info in each corner of each "page". With this unit you can select from 1 HUGE item to 12 items in tiny boxes and all sorts of combinations of boxes and font sizes. You can then edit each box to contain any item you want such as Max speed, Trip odometer, DTE, VMG, etc etc..... The "system menu" has more options than you can conceive. You can turn off any of the pages you don't wish to see.... don't want to see the "active route" page... disable it.
CON: Can't think of any yet....

Hardware:
Pro. You can order the internal antenna model even if you have a GPS antenna already on your car. Four screws and the whole back gimbal cover/ antenna ass'y comes off to reveal a BNC connector. From there you can use a RAM mount to mout it....

CON. To run an external antenna, you loose the standard gimbal mount. I'm having a really hard time finding a place to put this thing that won't block my radio or speedo or heater controls..... it does not contain any batteries ... 10v-40v external power only.

Well, that's about it.....

Wes

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737. [aprssig] Re: Delorme Earthmate and WinAPRs

From: "Sid Knox" <sbjknox@tah-usa.net>
Date: Sun, 18 Feb 2001 11:26:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135833-2001.02.18-11.40.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken,
Here is a site...
http://www.qsl.net/ka9mva/earthmate.htm

Also, Byon Garrabrant - N6BG has this..
http://www.byonics.com/tinytrak/index.html

73,
Sid   W7QJQ   (currently wrestling with a Tripmate)

> A non-sigger KG4JLA has a Delorme Earthmate GPS
> and wants to use it with
> laptop mobile WinAPRS.

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738. [aprssig] Trivializing the technical side of the hobby (was Regis et. all)

From: Jeff King <jeff@aerodata.net>
Date: Sun, 18 Feb 2001 17:18:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135887-2001.02.18-16.53.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:

> In response to a continuing discussion around statements like:

The problem with this thread is people are hearing what they want
to hear, cutting, deleting and pasting out of context and keep insisting on
bringing their holy cows into it. OK, since that is exactly what you
seem to be doing, lets put your "Regis Philbin" quiz in the proper
context (and what does "Regis" have to do with APRS?). You said:

> --
> Place these following statements in chronological order, as they were
> proven incorrect -- starting with the earliest:

...

> D. SSB/CW/HSCW are the only real modes that can be used for
> meteor communications

If you want to (and care to) stay within the framework of the statements
that were being made, you will need to reword the quiz, statement D as follows:

 D. AFSK AX.25 frames atop FM is a better mode for meteor communications
    then more direct, verbose protocols and/or narrow band modes such as SSB
    and CW.

Now, before you get your head in a tizzy and assume I am attacking
your propnet, I'm not. They way you are doing it is perfect for your
specific goal. But here you are trivilizing the statements of SIG
member, statements that are totally accurate and technically sound,
with comparisions to tacky American gameshow hosts. What gives here?

I really think their is room on this SIG for some technical
accuracy once in a while without bringing the jihad down as often seems
to happen.... technical accuracy doesn't mean one is attacking your holy
cow or denying you some fun diversion.

It simply is what it is and no more.

-Jeff

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739. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 18 Feb 2001 22:17:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135926-2001.02.18-21.32.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff,
Lets start once again on this one. You have two or three active threads
going on this, between personal messages to me (and others) and those to
the listserve.

The statement that I challanged was that "PSK31 overlayed on an FM
carrier will not provide any appreciable benefit" (not an exact quote,
but a culminating statement from several related eMails). QST ran an
article whose premise is that it *does* indeed, provide a benefit.
Don't take my (or the QST author's) dissenting opinion as a personal
affront...differences of opinion are what makes the world go 'round. :o)

If you want someone to take your position, it is incumbent on you to
convince them to do so. Making statements like "read this book" or "do

this experiment and tell us what you find" is not much of an effort.
Tell us what you found when *you* ran the experiment so we can ask more
questions and gain a clearer understanding.

Elmer us on your position, will you? Some of us want to know more than
"it just doen't work well". So...tell us about your experience with "FM
that is overlayed with PSK31" and how you found it to be less than
stellar in performance. We're interested, really.

Ev

PS...everything noted earlier was simply a setup for the last
paragraph. Please focus your response on the last paragraph rather than
finding an obscure poorly-conceived phrase in anything above it and
picking it apart. We really are interested in your real-world
experiment-substantiated facts. They may help to guide those of us who
are interested in playing a bit with the system as described. Maybe
you could run the experiment as you describe it and share the data?

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740. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 Feb 2001 21:27:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135930-2001.02.18-21.43.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:28 PM 2/18/01, Jeff King wrote:

>Mark Fellhauer wrote:
>
> > I don't know why you and
> > Jeff King have such a hard time with what I promoted
>
>OK, I'll bite.
>
>What you are "promoting" and the message you challenged were two different
>things. You are now "promoting" something different then the specific
>technical
>fact you challenged Hamish on.

Again you read into my posts something I never did or said (which you claim
people do to you, but you seem to be just as guilty):

I never disagreed with Hamish's base statements. I NEVER told him he was
wrong. I just noted their is contradictory anecdotal evidence.   And that
it should not dismissed without actual tests.   I have not changed the
parameters of my statement in any way or what I have promoted.

Here is exactly what I said (it speaks for itself):

"Field tests show otherwise. There was a recent QST article on 2-meter FM
PSK31 with very promising results. Don't dismiss something until you try
it..."

BTW that is the FULL QUOTE of my entire response to him. Short and to the
point.

Hamish wants to dismiss the whole notion without any further investigation
- saying it is a waste of time. My point is what is the harm in trying it
out to see if we can duplicate/authenticate these claims.   I feel like a
broken record.   Why be so negative when it serves no purpose? What is the
point of trying to discourage experimentation and investigation? I want to
see if some of us can PHYSICALLY duplicate what others have claimed.

OTOH, what you and Hamish have promoted is an attitude of why even bother,
since we (you and Hamish) already know it all.   And again all you've done
is say the same thing over and over - basically, "Common knowledge
dictates that this doesn't work...."   How do you resolve the
juxtaposition of the two differing camps?   Your answer is I should just
take your word for it.
Again, as a 3rd party I am searching for the actual answer.   It seems to
me that I shouldn't take either parties word without trying it.   And

stop bringing in the SSB argument. We all KNOW that SSB is more efficient
than FM.   Stop rehashing the obvious. As before I said that this is an
experiment where we want to pit FM voice against PSK31 and see what happens.

I made and make no claims as to the efficacy of PSK31 on FM, nor do I think
it will be used to save the world, nor do I think it will be a common
mode.   As I said before, all I want to do is have a little fun, try it
out, do some demonstrations, test some claims, and maybe someone will be
bitten by the bug and upgrade their license or buy an SSB rig because of it.

OTOH, in the world of Jeff and Hamish we should just sit on out butts smug
in the knowledge that it's not worth the bother and just be couch
potatoes... and let Jeff and Hamish furnish all our answers for us.

73,

Mark
KC7BXS

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741. [aprssig] KPC-3 Assistance

From: Jim Sanford <wb4gcs@amsat.org>
Date: Sun, 18 Feb 2001 18:42:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135895-2001.02.18-17.57.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi:
I have a Kantronics KPC-3 (not PLUS) which appears to be flat out dead.
N LEDs, no data out the serial port, nothing. Even on a hard reset.
Several of you helped me obtain an manual, for which I'm grateful.

However, I don't have a schematic -- anybody have one???

Also, have noted that the EPROM gets quite warm when the power is on,
makes me think it's the problem. I do think the cpu clock is running,
based on noise in other radios when probing around.

Anybody have a line on an old EPROM (this is v 5.0) or code to burn into
a new chip? (I have a burner).

If resurrected, this thing will go toward helping build a digi. Any
assistance gratefully appreciated.

Thanks, and 73,
Jim
wb4gcs@amsat.org

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742. [aprssig] Re: PSK-31 old dog new tricks

From: Jeff King <jeff@aerodata.net>
Date: Sun, 18 Feb 2001 23:14:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135938-2001.02.18-22.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

> Hamish wants to dismiss the whole notion without any further investigation
> - saying it is a waste of time.

He believed his mother when she told him not to put his hand on a hot

stove I guess.

> My point is what is the harm in trying it
> out to see if we can duplicate/authenticate these claims.

Go for it. Look in the posting I sent to Ev as I outlined a experiment
and you'll see what I am talking about.

> We all KNOW that SSB is more efficient
> than FM.   Stop rehashing the obvious.

We are talking about PSK31 (baseband) versus overlaying PSK31 atop a FM
carrier. You can generate a PSK signal by feeding the PSK31 audio into
a SSB transmitter, such is not the case by feeding it into a FM transmitter.

> As before I said that this is an
> experiment where we want to pit FM voice against PSK31 and see what happens.

You never said this. And neither myself nor Hamish were commenting on this,
this should have been very clear.

Go away Mark, your wasting my time.

-Jeff

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743. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Jeff King <jeff@aerodata.net>
Date: Sun, 18 Feb 2001 23:39:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-135940-2001.02.18-22.55.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:

> The statement that I challanged was that "PSK31 overlayed on an FM
> carrier will not provide any appreciable benefit" (not an exact quote,
> but a culminating statement from several related eMails).

Technical or social? I already asked you to clarify the context of it.

> QST ran an
> article whose premise is that it *does* indeed, provide a benefit.
> Don't take my (or the QST author's) dissenting opinion as a personal
> affront...differences of opinion are what makes the world go 'round. :o)

I'm not. I have asked both you and Mark to provide me with copies of this
QST article, yet neither of you have. Yet the comments and framing of the
post (Hamishes) that started this were entirely clear. Baseband PSK31
performs far better then PSK31 overlayed on a FM signal. Everyone keeps
trying to change this statement to fit their own conclusions, yet the
original statement still stands.

> If you want someone to take your position, it is incumbent on you to
> convince them to do so.

OK, so convince me pigs can fly.... You and Mark are not doing a very good job
of convincing me.

> Making statements like "read this book" or "do
> this experiment and tell us what you find" is not much of an effort.

But it is certainly more then this whole thread deserves. It is pathatic
and disgraceful that someone would spend time arguing this.... a statement
of how far this hobby has descended.

> Tell us what you found when *you* ran the experiment so we can ask more
> questions and gain a clearer understanding.

I don't need convincing, the experiment was for the naysayers and timewasters.
You could have tried the experiment three times over in the time it took to
compose these response. Then my guess is you would quietly go away or maybe
if we were luckey would get back on the SIG and say, "gosh, gee whiz, baseband
PSK31 does perform considerablly better then PSK31 overlaid on a FM carrier".

> Elmer us on your position, will you? Some of us want to know more than
> "it just doen't work well". So...tell us about your experience with "FM
> that is overlayed with PSK31" and how you found it to be less than
> stellar in performance. We're interested, really.

I HAVE TOLD YOU..... I can't force anyone on this SIG to learn, if anything
this is a lesson I learned. You learn things by reading and trying them.... if
you are unable to do this, in as simple a manner as I described, I can't help you
anymore. I have already tried them comparing baseband modulations to the
same modulations overlaid on a FM signal...not rocket science here. Check out
some of the modem design articles and tests I wrote that appeared in the early
90's in PSR if you are looking for a Curriculum Vita from me. I have been
around the block.

JUST TRY WHAT I SAID, OK EV?!? You'll never believe me until you see it in
front of your own eyes. PSK31 baseband (like feed into a SSB transmitter)
will outperform PSK31 modulated on a FM carrier hands down every time.

Listen, I have had enough of this. Think what you want. And pigs do fly
while we are at it.

Gezz.

-Jeff

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744. [aprssig] Re: Regis Philbin and the "PSK31 old dog" thread

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Sun, 18 Feb 2001 20:37:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135917-2001.02.18-19.51.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

But it does have that equally disagreeable person, Chris Tarrant!!

Mark G7LTT

----- Original Message -----
From: "Bob Nielsen" <nielsen@oz.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, February 18, 2001 10:44 AM
Subject: [aprssig] Re: Regis Philbin and the "PSK31 old dog" thread

> >
> > P.S. - To those outside of the USA, Regis Philbin is the host of an
> > American TV program called, "Who wants to be a Millionaire". The
> > contestents are chosen based on how quickly they can place events in
> > order.
>
> The Brits, at least, are quite familiar with the show, since their
> version was the original and has the added advantage of not including
> Regis Philbin.
>
> ---
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>
>

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745. [aprssig] second.aprs.net status

From: Greg Noneman <greg@clubnet.net>
Date: Sun, 18 Feb 2001 21:51:49 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135961-2001.02.19-00.07.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Southern California APRServe computer is back in full operation. The
hard drive did have several problems, but fortunately Norton Utilities
was able to fix them. Even though the errors were corrected, I decided
to replace the drive. All files were copied to the "new" drive prior to
physically swapping the units. Hopefully, we won't have any similar
problems for a while.

The server was down for about 26 hours. I apologize for any
inconvenience that this may have caused.

Greg
WB6ZSU

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746. [aprssig] HF Path; 10.151.5Mhz GATE

From: WA4TKGMatt@aol.com
Date: Mon, 19 Feb 2001 01:37:27 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135968-2001.02.19-00.53.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PJ8DM-1*>AA4QI>GATE>WIDE3-3>ID <UI>:PJ8DM-1/R RELAY/D GATE/G

(my local DIGI/GATE; AA4QI-1 via WIDE3-3 (this is how my VHF path is set)

This is the path I just saw from said station: *noted above*

I run a PK-900.

If I RECEIVE off of 2m, the text shows BLUE in HISTORY list.

If text comes off of HF, it is RED.

PJ8DM-1 ONLY shows up in RED, and does NOT have a secondary line of OUTGOING;
GATED text onto 2m.

Yet, his station SHOWS a path of my local GATE; AA4QI-1 via wide3-3.

This strikes me a bit odd. Am I GATEing PJ8DM-1, or is he selectively GATEing
thru
AA4QI ?

My HF path is GATE, WIDE.

Should this be changed to something that would be more in line with DIGIing
more HF posts from/for SE USA ?

" Inquiring minds want to know "

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747. [aprssig] PSK31 on FM Final Comment

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 Feb 2001 01:31:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135972-2001.02.19-01.46.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm sorry this thread went on so long. My offhand comments were never
intended to start what happened.

My comments were based on some articles I've read in both CQ and QST and
the comments made by Buck Rogers.

Although I thought the article was newer in QST - I was surprised that it
was actually published in the October 2000 issue. Time flies...

Please read the article if you are at all interested in the subject. If
you read it before, please read it again.

See page 81 - the first article in the Technical Correspondence Section is
titled, "PSK31 on FM," by Butch Mason, W6KAG (bmason@aloha.net).

BTW, the author does delve a little into the FM vs. SSB "controversy." I'm
pretty sure his comments will distress at least two people on this SIG...   :)

Please note that the authors, statements, conclusions, and observations are
his own and I do not endorse or support them in any way.   If you have a
problem with his statements in the article they need to be addressed to the
author and/or QST.   Please don't bug me or the SIG about it since it
really isn't that pertinant to APRS.

What I would like to do is to test the author's claims rather than to
dismiss them outright and am looking for like minded individuals to
participate and or engage in testing in their local area and give some
feedback as to their results.   Please email me privately.

73,

Mark
KC7BXS

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748. [aprssig] RESETTING FT 8500

From: BordingK@aol.com
Date: Sun, 18 Feb 2001 22:46:21 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135933-2001.02.18-22.01.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I may have killed a radio: I just did the mod for my FT-8500 to expand the
transmit for CAP us. Now I can't get the thing to reset.

Anyone out there in SIGland who's mod'ed their FT 8500 and succeeded, please
contact me directly. The mod instructions refer to an Enter button, but I
can't find anything like that on the controls.

Thanks in advance.

DE W5KNB
Ken

749. [aprssig] Re: E-mail reflector problems

From: B Keyport <bkeyport@qwest.net>
Date: Sun, 18 Feb 2001 21:14:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Stan_Horzepa@adc.com, aprssig@tapr.org
Message-ID: <LYR842-135941-2001.02.18-23.30.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Stan,
>
>Several have observed that we seem to have a new problem
>on the SIG. Some messages are getting delayed as much as 4
>hours! This in turn has created some additional problems:
>1) Often we see replies to questions before the actual questions
>appear. Since the whole context often not clear, the answers
>are sometimes misunderstood, and sometimes needlessly
>challenged.
>2) Since many questions could be answered by dozens of
>SIG members, in the past not everyone has responded to every
>question. I often take a wait-and-see approach, and volunteer an
>answer only when its clear that no one else has addressed it well.
>When replies are delayed, then the wait-and-see approach stops
>working, and we find several people providing the same reply
>to a single question. This wates bandwidth, and the time of
>every one on the SIG.
>

>The bottom line is that something has broken in the last week or
>so, and that it is having an adverse impact on the SIG. Can you
>report the problem to the SIG host, and see if they have a fix?
>If not, perhaps it may be time to seek a new host.

The simple fact of the matter is that this has been going on for
months, in some form. I first reported it just shortly after we
tightened down the security of the mail list software.

I think it's time to call the disaster control people, and declare
aprssig a disaster area.

Lyris is hopelessly broken. It's time to end the charade and go to
something else, or we can forget about talking about APRS in a
reasonable fashion.

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750. [aprssig] Fade Points?

From: <henk.de.groot@hetnet.nl>
Date: Mon, 19 Feb 2001 13:53:47 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135982-2001.02.19-07.09.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

I'm playing a bit with dosAPRS to see what it looks like (normally I use Xastir on a Linux system). I still have to know a lot of buttons and key-commands. For some reason I find it very confusing. Anyway, at some point pressing a function key, I believe it was F5, created a "Fade Point" with the name A1(DNN). Now DNN is my call suffix and A1 seems to be some sequence number since the next time I hit F5 it creates A2(DNN)... etc.

At first I thought it were just markers on the screen, but these "Fade Points" are also transmitted and I got questions from other HAMs asking what I was doing. I could answer that I was playing arround, but I could not aswer where these are good for. So what are "Fade Points" and what is their purpose?

I also found that some of the function-keys move the cursor, I think it was F2, F4, F6 and F8. I guess that is a heritage from the XT keyboard era where these keys were on the lefthand side and ajacent to eachother. This does however not correspond at all with the "keys.txt" file in the Readme. Maybe it depends on the context when the keys are pressed?

Anyway, I usually play with dosAPRS for half an hour and then leave it alone in frustration because I don't manange to understand why it does what it does or I don't get done what I want to get done (like tracking a vehicle). Then after a few days it catches my curiosity again and I retry. Again for half an hour that is, because then have to leave it alone again etc. Anyway, I'm very slowly learing this application this way. I know there are many features burried in the program, but the user-interface is really disgusting. I know that most features are just "a few simple keypresses" away, the problem is what keys to press and response to expect. Up to now I have not found out how to track a vehicle so that it leaves a trail for example. Undoubtately it is something "intuitive" but it is not the "T" button because that produces some kind of list for which I did not find a purpose yet either.

Enough about that, I'll manage in the end (I guess). What about those "Fade Points"? What is it and where is it for?

Kind regards,

Henk.

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751. [aprssig] My wrap-up [was: Re: PSK31 overlayed on FM=no good. Really?]

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Mon, 19 Feb 2001 08:57:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135996-2001.02.19-08.13.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

------- I asked, very simply and directly: -------
> > The statement that I challanged was that "PSK31 overlayed
> > on an FM carrier will not provide any appreciable benefit"

> > (not an exact quote, but a culminating statement from several
> > related eMails).

------- Jeff King responded: -------
> I have already tried them comparing baseband modulations to the
> same modulations overlaid on a FM signal <snip>
> PSK31 baseband (like feed into a SSB transmitter) will outperform
> PSK31 modulated on a FM carrier hands down every time.

Jeff...are you ready for this? Drum-roll, please...I agree with your
statement.

Problem is...this is a great answer to an entirely different question.
My original inquiry was that of comparing packet-frames using
PSK31-on-FM to the use of packet-frames on FM without a PSK31 "shim".

Mark, have you figgured a way to give this a try? Do share! :o)

Ev, W2EV

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752. [aprssig] RE: E-mail reflector problems

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Mon, 19 Feb 2001 10:24:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136037-2001.02.19-10.44.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for your concern, Frank.

I am not convinced that the problem is with the server. While you and other
SIG subscribers saw some problems during the last few days, I did not see
those same problems here in Connecticut except in one instance. I am no
expert, but my guess in that there was some kind of problem in the network,
rather than the server. But, since I am not an expert, I will pass your
comments along to the man responsible for the server.

Stan, WA1LOU

> -----Original Message-----
> From: Frank Ingle [mailto:73545.1210@compuserve.com]
> Sent: Sunday, February 18, 2001 6:19 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] E-mail reflector problems
>
>
> Stan,
>
> Several have observed that we seem to have a new problem
> on the SIG. Some messages are getting delayed as much as 4
> hours! This in turn has created some additional problems:
> 1) Often we see replies to questions before the actual questions
> appear. Since the whole context often not clear, the answers
> are sometimes misunderstood, and sometimes needlessly
> challenged.
> 2) Since many questions could be answered by dozens of
> SIG members, in the past not everyone has responded to every
> question. I often take a wait-and-see approach, and volunteer an
> answer only when its clear that no one else has addressed it well.
> When replies are delayed, then the wait-and-see approach stops
> working, and we find several people providing the same reply
> to a single question. This wates bandwidth, and the time of
> every one on the SIG.
>
> The bottom line is that something has broken in the last week or
> so, and that it is having an adverse impact on the SIG. Can you
> report the problem to the SIG host, and see if they have a fix?
> If not, perhaps it may be time to seek a new host.
>
> -73-
>
> Frank Ingle, KG4CQK
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

753. [aprssig] Re: E-mail reflector problems

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Mon, 19 Feb 2001 10:19:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136040-2001.02.19-10.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Almost everyday, I think that it is time to declase APRSSIG a disaster area, but that assessment has nothing to do with the Lyris server.

73,

Stan, WA1LOU, APRSSIG administrator

> -----Original Message-----
> From: B Keyport [mailto:bkeyport@qwest.net]
> Sent: Monday, February 19, 2001 12:14 AM
> To: TAPR APRS Special Interest Group
> Cc: Horzepa, Stan; aprssig@tapr.org
> Subject: [aprssig] Re: E-mail reflector problems
>
>
> I think it's time to call the disaster control people, and declare
> aprssig a disaster area.
>
> Lyris is hopelessly broken. It's time to end the charade and go to
> something else, or we can forget about talking about APRS in a
> reasonable fashion.

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754. [aprssig] Re: RESETTING FT 8500

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 Feb 2001 22:28:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135939-2001.02.18-22.43.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Anyone out there in SIGland who's mod'ed their FT 8500 and succeeded, please
>contact me directly. The mod instructions refer to an Enter button, but I
>can't find anything like that on the controls.

Sorry, it's dead for good. I'll give you $50 for it.... (JUST KIDDING!)

The good news is I doubt you killed it by cutting the green wire. :)

What Mic do you have? The FS-10 (Mr. Potato Head) Mic has a key labeled ENT on it - it is on the backlight side of the MIC and is a different color than the rest. I don't think the other Mic (MH-39?) has a ENT button on it. The obvious easy answer is to borrow an FS-10 Mic if you have the MH-39, but that may not be an option - Not everyone has a FT-8500. Otherwise you'll have to do a hard reset on the CPU. There are two ways.

1) Unsolder one battery tab - pull it away from the PCB and wait a while (5 minutes). Then resolder it. You might want to consider replacing the battery anyway if you've never replaced it before. Batteries Plus can put solder tabs on any coin cell they sell for a very small fee (like 75 cents). Don't order a battery from Yaesu under any circumstances.

2) Just to the right of the negative battery terminal is a jumper pad labeled JP3001 - locate it and short across the two sides of the pad for about 2 seconds.

NOTE: on my FT-8500 there was already a big solder blob across JP3001. Unsoldering the battery did the trick when my FT-8500 locked up last Thanksgiving.

Hope that helps.

73,

Mark
KC7BXS

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755. [aprssig] Re: PSK-31 old dog new tricks

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 Feb 2001 14:34:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135870-2001.02.18-14.49.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:05 AM 2/18/01, Hamish Moffatt wrote:

>However, those nets don't aim to make DX CW contacts, do they?
>By all means experiment with PSK31 on FM, but don't pretend that
>you will be making long distance contacts with it, and don't
>try to tell others that they can.
>

First off I merely pointed out that I was going to build an soundcard to rig interface and try FM PSK31. Futhermore I pointed that several people have stated that THEY have gotten surprising results from doing this themselves. In fact, I have seen two articles on FM PSK31 in separate national publications (Both CQ and QST) by different authors with their results. Buck Rodgers, K4ABT, has even stated on his web site that he has gotten several comments from people experimenting with FM PSK that they have been able to communicate with FM PSK31 on paths where FM voice communications have failed side-by-side.

I don't consider these contacts to be DX per-se, nor are they long-range except in the sense of using the same equipment and antenna successfullly where voice communications fail. Of course, the most range one can ever expect from VHF, under normal conditions, is 60 to 200 miles maximum.

I did not make these claims or pretend that they happened - I merely RELATED what other people are writing and saying. My point in trying this IS TO SEE FOR MYSELF.

If you have a problem with this, perhaps you should write QST and challenge the article they published and it's author. I don't know why you and Jeff King have such a hard time with what I promoted - which is testing out the mode to see if we can authenticate/duplicate the claimed successes of others. It seems that most of the people here get it, as I have gotten several private emails from people either asking to partake in such an experiment or wanting to know what my results are.

73,

Mark
KC7BXS

-

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756. [aprssig] PSK31 clarifying question

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Mon, 19 Feb 2001 08:43:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-135995-2001.02.19-07.58.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Listen, I have had enough of this. Think what you want.

Ok...I think I'll ask some clarifying questions of the SIG, 'cause I'm

still not absolutly convinced that there isn't benefit to be gained
(it's just the degree of benefit relative to expended effort that's at
question in my mind); especially since it was tested and documented in
October 2000's QST (Thanks, Mark...now...where did I put that issue?
<grin>).. Thanks for starting this whole thing, Bob! :o)

Does a PSK31-engine exist (similar to the way that the AGWPE engine
works) in such a way as to be able to shim it between an application
(APRS) and a transceiver? In a related way...how *would* one go about
encoding an APRS frame into PSK31 in order to simply turn the
mode-switch on a connected transceiver to FM to give this a try? (where
is that october QST! <smile>).

A little elmering on the part of those familiar with such things would
be appreciated...on or off sig...it makes no nevermind to me. :o)

Regards,
Ev Tupis, W2EV

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757. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 Feb 2001 12:38:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136051-2001.02.19-12.54.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:39 PM 2/18/01, Jeff King wrote:

>I'm not. I have asked both you and Mark to provide me with copies of this
>QST article, yet neither of you have.

Although I will not comment on FM PSK31 publicly on the APRS SIG
anymore. I will address "untruths" made publicly. I asked Mr. King twice
(through private email) if he'd read the article - and finally got a
response from him.   His response was that he had not read the article and
that I shouldn't believe what the "fortunetellers" at the ARRL were
saying.   At that point it was fairly apparent to me that all honest
attempts at a rational discourse had ended.   I told him I would tell him
what issue the article was in. Later in the day when I had some time I dug
through my QST's and upon not finding the article, I went to the ARRL web
site and did a QST index search and entered "PSK31."   I had the proper
results in seconds and posted that information to the entire SIG.

At no time did Mr. King ask me to furnish him with a copy of the
article. And the general tone of his reponse lead me to believe that no
matter what the article said, it wasn't going to sway his one-line answer
one bit.

My apologies again to the people on the sig. I don't enjoy engaging in
this. Mr. King is an adult. He is very capable of doing a ARRL index
search (assuming he is an ARRL member) on his own, and/or going to the
library and finding a copy of the article, if he so chooses.   Had I sent
him a copy of the article he probably would've accused me of copyright
infringment...

73,

Mark
KC7BXS

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758. [aprssig] Another crazy thought

From: Alex <kg4ecv@earthlink.net>
Date: Mon, 19 Feb 2001 09:51:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136004-2001.02.19-09.00.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lemme throw another crazy thought at the SIG.

In light of the recent messages about license fees I was thinking that perhaps it would be a good idea if the authors of APRS software would furnish a free license of their software to hams that are actively promoting APRS through seminars and such. I mean these hams are already donating their (often very substantial) time and money to the ham community. Most times they don't receive any compensation for this (nor do they expect it), but if they would be able to get a free license then at least the financial burden would be somewhat shared. Maybe this way more hams would also feel encouraged to promote APRS.

Just a thought...

73,
--Alex

P.S. I'm more than happy to pay for mine, that's not the point.

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759. [aprssig] FT-2600M Mod; Anyone Know It?

From: WA4TKGMatt@aol.com
Date: Mon, 19 Feb 2001 14:00:44 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136055-2001.02.19-13.15.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have seen the mod listed for the 2500M, on QRZ; but no mention of the 2600.

Anyone know this ?; I imagine it's the same as the 2500, but want to hear from anyone that knows.

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760. [aprssig] Re: My wrap-up [was: Re: PSK31 overlayed on FM=no good. Really?]

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 Feb 2001 13:19:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136061-2001.02.19-13.35.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Problem is...this is a great answer to an entirely different question.
>My original inquiry was that of comparing packet-frames using
>PSK31-on-FM to the use of packet-frames on FM without a PSK31 "shim".
>
>Mark, have you figgured a way to give this a try? Do share! :o)

I'm glad that someone is framing the experiment and PSK31 in the context of APRS - and that I will comment on. Currently I know of no way to do this test with APRS.   And I'm pretty sure that Bob Bruninga was pointing out that maybe, at least on the HF side, there should be some tie-in with external PSK31 programs so they can send their postition or Grid Square and that APRS programs can be linked to hardware that can decode that (but that shouldn't be an impediment to using it on higher frequencies and/or FM).   There is at least one PSK31 program, MixW, that can discern callsigns and give their general locations and general great circle direction.   But it's no where near the accuracy of APRS of sending an actual gridsquare or Lat/Lon.   I suppose a program could be modified or witten for PSK31 that can cull through a message and pull out position comments in many formats. ACARS for Windows (WACARS) has this feature -- it looks through a message and can pull out location and direction information, because different airlines use different formats...

My conceptual test is more of the Fred Flinstone variety and approximates the article in QST.   It doesn't require APRS, so therefore is not topical to this SIG. I suppose someone could manually send their position and the person on the other end could manually input into APRS, but that would be "cheating."

73,

Mark
KC7BXS

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761. [aprssig] Re: GPS 35 version differences?

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Mon, 19 Feb 2001 12:32:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136063-2001.02.19-13.45.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org> writes:

>Generally:
>RS232 has inverted signals with voltages that use both positive and negative
>voltages to represent the 1's and 0's. RS232 I/O line drivers and receivers
>can withstand direct shorts on up to four i/o pins without any damage. Use
>RS232 signals to plug into computers or laptops or true RS232 TNC's.
>
>CMOS/TTL use non-inverted signals with 0-5vdc levels to represent the 1's
>and 0's. These can't withstand any negative voltage on i/o pins without
>damaging some electoronic part. They can't withstand any shorts on any
>pins. These are usually used when connected directly to a microprocessor.
>
>Hope that helps.

With all due respect, I would say that this does not help. Please read the
following excerpt from Garmin's web page
http://www.garmin.com/products/gps35/ to see that their CMOS voltage level
version, the 35-LVC, is fully compatible with attached equipment that
operates at true RS-232 levels. I have read many postings in this thread from
people who seem to have an excellent grasp of the specs of isolated CMOS
chips, but the specs for complete *products* are another thing entirely. The
note with the single asterisk * tells the story.

Available Versions
* GPS35-LVC Attached 10 foot power/data cable with bare wire ends. Accepts
power from unregulated low voltage power supplies between 3.6 and 6 VDC.
Asynchronous serial data interfaces via 2 serial ports with CMOS voltage
level outputs, RS-232 polarity.*
* GPS35-LVS Attached 10 foot power/data cable with bare wire ends. Accepts
power from unregulated low voltage power supplies between 3.6 and 6 VDC.
Asynchronous serial data interfaces via 2 serial ports with true RS-232
voltage level outputs.*
* GPS35-HVS Attached 5 meter power/data cable with bare wire ends. Accepts
power from unregulated high voltage power supplies between 6 and 40 VDC.
Asynchronous serial data interfaces via 2 serial ports with true RS-232
voltage level outputs.*
* GPS35PC Attached 10 foot power/data cable with female DB-9 serial
connection, ready to attach to your PC. Additional 8 foot power cable
extension from the DB-9 connector terminates in a cigarette lighter plug for
easy application of power supply voltage between 6 and 40 VDC. Asynchronous
serial data interface via a single serial port with true RS-232 voltage level
output.* **
*All serial inputs on all versions are compatible with either true RS-232 or
TTL/CMOS voltage levels. Port 1 uses NMEA 0183 data format. Port 2 transmits
binary position and raw measurement data and receives RTCM SC-104
differential corrections data, message types 1, 2, 3, and 9.
**GPS35PC does not implement Port 2.

73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

762. [aprssig] Re: PSK31 clarifying question

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 19 Feb 2001 11:46:29 -0800 (PST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136073-2001.02.19-14.01.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- "Sadowski, Allan" <allan.sadowski@ncshp.org> wrote:
> I really love this idea of using grid squares.... compact and consistent
> format..
> Not sure why there is any need to repeat the info - given the FEC and error
> checking in PSK31 and many other digital modes...
> >
> >   ARPS APRS de WA7NWP WA7NWP [CN87zz] [CN87zz] KN

That's the problem with PSK31. It's a keyboard mode. Not a "packet" mode.
There is no error checking.   We should probably add a 7th character to
verify the gridsquare and callsign.   Hmmm - protocol is growning already.

ARPS APRS de WA7NWP WA7NWP [CN87zzC [CN87zzC KN

Bill

_____
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a year! http://personal.mail.yahoo.com/

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763. [aprssig] Re: Another crazy thought

From: Guy Story <kc5goi@tapr.org>
Date: Mon, 19 Feb 2001 14:00:38 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136078-2001.02.19-14.15.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I like Alex's idea at surface value but I do not think it is a good idea.
This is not a shot at Alex, so please do not take it that way. I have
put in my share of demos and programs and will continue to do so. I do it
so people get introduced the another aspect of Ham Radio though. The
problem I see with Alex's idea at the very bare bones level is that it
could appear that a particular software author may "purchase" advertising
time from the demonstrator. When I do a presentation, I talk about all
the software, my shows are slanted but it is sue to the version of
software I choose to use. Not against any particualr station. I have
requested in the past from all the authors screen shots if I could not get
one on my own. Most of what I have have been taken from web pages.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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764. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Jeff King <jeff@aerodata.net>
Date: Mon, 19 Feb 2001 15:38:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136081-2001.02.19-14.54.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

> At 10:39 PM 2/18/01, Jeff King wrote:

> >I'm not. I have asked both you and Mark to provide me with copies of this
> >QST article, yet neither of you have.

Yes, that is correct.

Three hours after the e-mail you qouted above was sent, you posted the article date,
authors name and e-mail. I have now e-mailed the author directly asking for a copy
as it appears you won't be sending me one.

But, I still can't see how the author
can make the claims that PSK on FM performs as well as baseband PSK. PSK may be
magic to some, but there are basic RF issues here at work. Perhaps he has
also made some major breakthroughs in Landrace or Duroc gene manipulation.

> Although I will not comment on FM PSK31 publicly on the APRS SIG
> anymore. I will address "untruths" made publicly.

I see no mention of flying pigs.... you were successful?

-Jeff

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765. [aprssig] Re: Another crazy thought

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Mon, 19 Feb 2001 22:39:32 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136095-2001.02.19-16.06.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "Alex" <kg4ecv@earthlink.net>
> perhaps it would be a good idea if the authors of APRS software would
> furnish a free license of their software to hams that are actively
> promoting APRS through seminars and such. I mean these hams are already

Okay. All the HAMs that are actively promoting APRS are herewith granted
royalty-free use of the DIGI_NED software, both current and future versions.
Above that this also applies to HAMs that are not yet actively promoting
APRS but will do so in the future or don't have the intention to do so at
all.

> at least the financial burden would be somewhat shared. Maybe this way
> more hams would also feel encouraged to promote APRS.

Lets hope so, because that is why this software like Xastir and DIGI_NED
exit als GNU Public License software.

Kind regards,

Henk.

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766. [aprssig] Position Encoding PSK31 and other Digital modes

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 19 Feb 2001 17:00:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136099-2001.02.19-16.14.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good points Jeff

I was more thinking of some of the other digital modes... but I have to
recognize the huge momentum that PSK31 has going for it... and think it'd be
of some benefit to have an easy to type sequence that could be listened for
and parsed (better still to have a broadcast function)... and to poorly

refererence another recent posting here... to have an application that is
listening and decoding several transmissions over the passband being
monitored...concurrently.... well - that's gotta be worth something instead
of the slower rate....

In this case I have to accept the facts... sure would love to see how this
would play out with some of the even newer digital codes... or with Picolo
or Cliquot (sp) or MFSK or whatnot... with FEC... even at the lower speeds..

As to "tactical".... what this retired vet considers as "tactical" is a bit
different from how I see it used here...

Anyway... the sign on more than one wall in DoD is something to the extent
that

Wannabe's and newbies talk tactics
Diletante's speak in terms of Strategy
and real Military Professionals think, discuss, and act based on
Logistics....

Or to poorly quote more than one General in History...
He who gets thar firstest, with the mostest - wins...

Having the right information, at the right time, in the correct format...
and to have the material and force to take action based on the above
information...

will result in victory every time...

> Without considering Varicode, not as much as you might think.
        snip
> The FEC (in the QPSK version of PSK31), I believe is only char by char.
> You'd still want a checksum at the end to confirm the frame
        snip
> Remember, PSK31 is only 31 bps, that is slow! *If* your goal is a tactical
> system, this needs to be taken into account. A three second frame is alot
> smaller target then a 10 second frame.
>

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767. [aprssig] Re: Position Encoding PSK31 and other Digital modes

From: Jeff King <jeff@aerodata.net>
Date: Mon, 19 Feb 2001 17:30:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136107-2001.02.19-16.46.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Sadowski, Allan" wrote:

> As to "tactical".... what this retired vet considers as "tactical" is a bit
> different from how I see it used here...

Tactical as in a 500lb bomb being able to take out a soft target, finding
what location your employee is dumping your goods at or what building the
EOC is in.

Agree 100% on the logistics statement. Never in the military, but have had
DOD/DOE clearances before (worked at General Dynamics on the M1A1 tank
program and at a nuclear research lab (KMS fusion)).

-Jeff

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768. [aprssig] RE: E-mail reflector problems

From: "ScottM" <smorris@mindspring.com>
Date: Mon, 19 Feb 2001 13:57:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136054-2001.02.19-13.12.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is more to the SIG than just Lyris. Problems encountered can be at
the Lyris server, the Internet, your specific ISP part of the Internet, your
email server, your PC. The Internet does not always work. Part of my job
is as the Firewall Administrator at my company. Daily I get reports of what
is down at our ISP, also I receive reports of other ISPs and their problems.

Delays such as what you are listing below could include IP routing problems
on the Internet, email routing problems, DNS issues with the mail exchanger
(MX) record, your ISP mail server, etc. There is just too much out there to
determine the exact failure. We were having problems sending email to DOE,
and everyone kept pointing to our Sendmail server, again and again. Turns
out the problem was with DOE, their DNS server was arguing with another one,
so no MX record was getting resolved. No MX record, no email sent. If it
is working okay for some, but not others, I would look to the ISO you get
your email from.

Just some thoughts, facts, opinions, and deductions.

73.

Scott

----- Original Message -----
From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, February 19, 2001 11:24 AM
Subject: [aprssig] RE: E-mail reflector problems

> Thanks for your concern, Frank.
>
> I am not convinced that the problem is with the server. While you and
other
> SIG subscribers saw some problems during the last few days, I did not see
> those same problems here in Connecticut except in one instance. I am no
> expert, but my guess in that there was some kind of problem in the
network,
> rather than the server. But, since I am not an expert, I will pass your
> comments along to the man responsible for the server.
>
> Stan, WA1LOU

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769. [aprssig] Re: GPS 35 version differences?

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Mon, 19 Feb 2001 17:13:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136114-2001.02.19-17.28.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tony,
Great Reply! It points out how confusing Garmin has been with their
writings about their units. No wonder so many folks are buying Tripmates!
;-)>

Let's translate this into something perhaps more clear, one at a time.
Remember, I could be wrong, and I also own a Garmin 35HVS unit connected to
my PC for Delorme and WinARPS and my Kenwood TH-D7A(G) and a PIC-E with
great success... And I love my Garmin!

< clipped>
> following excerpt from Garmin's web page
> http://www.garmin.com/products/gps35/ to see that their CMOS voltage level
> version, the 35-LVC, is fully compatible with attached equipment that
> operates at true RS-232 levels. I have read many postings in this thread
from
> people who seem to have an excellent grasp of the specs of isolated CMOS
> chips, but the specs for complete *products* are another thing entirely.
The
> note with the single asterisk * tells the story.
>

Dual Serial Port models are for GPS and Differential GPS corrections input
capabilities. Single Serial Port units are when DGPS won't be used.

> Available Versions
> * GPS35-LVC Attached 10 foot power/data cable with bare wire ends. Accepts
> power from unregulated low voltage power supplies between 3.6 and 6 VDC.
> Asynchronous serial data interfaces via 2 serial ports with CMOS voltage
> level outputs, RS-232 polarity.*

I interpret this one to mean that the input signal can be the typical 0-5vdc
TTL/CMOS levels. (CMOS voltage levels, probably using the 0-6vdc 'HCT'
CMOS-TTL family of parts). "RS-232 polarity" probably means that the signal
need not be inverted. Not suitable for direct connection to computer RS-232
serial ports. I'd use this with a microprocessor such as an 8051, 68HC11,
etc.

> * GPS35-LVS Attached 10 foot power/data cable with bare wire ends. Accepts
> power from unregulated low voltage power supplies between 3.6 and 6 VDC.
> Asynchronous serial data interfaces via 2 serial ports with true RS-232
> voltage level outputs.*

I interpret this one to mean "True RS-232" plus/minus DC voltages, probably
in the range of -3/-12vdc to +3/+12vdc. Suitable for direct connection to
computer RS-232 serial ports. I consider that "True RS-232" means that it
conforms to the RS-232C specs for voltages, timing, etc.

> * GPS35-HVS Attached 5 meter power/data cable with bare wire ends. Accepts
> power from unregulated high voltage power supplies between 6 and 40 VDC.
> Asynchronous serial data interfaces via 2 serial ports with true RS-232
> voltage level outputs.*

I interpret this one to mean that this unit can be powered from a car
battery or other higher-voltage DC supply for example. "True RS-232" means
plus/minus DC voltages, probably in the range of -3/-12vdc to +3/+12vdc.
Suitable for direct connection to computer RS-232 serial ports.

> * GPS35PC Attached 10 foot power/data cable with female DB-9 serial
> connection, ready to attach to your PC. Additional 8 foot power cable
> extension from the DB-9 connector terminates in a cigarette lighter plug
for
> easy application of power supply voltage between 6 and 40 VDC.
Asynchronous
> serial data interface via a single serial port with true RS-232 voltage
level
> output.* **

I interpret this one to mean "True RS-232" plus/minus DC voltages, probably
in the range of -3/-12vdc to +3/+12vdc. Suitable for direct connection to
computer RS-232 serial ports. This one even has a PC compatible serial
connector and car power connector.

> *All serial inputs on all versions are compatible with either true RS-232
or
> TTL/CMOS voltage levels. Port 1 uses NMEA 0183 data format. Port 2
transmits
> binary position and raw measurement data and receives RTCM SC-104
> differential corrections data, message types 1, 2, 3, and 9.
> **GPS35PC does not implement Port 2.
>

I think that the key word in the first sentence, "either", is most
important. I think that it means "not both". I interpret this to mean that
if I buy a "true RS-232" unit, it really does work with "true RS-232"
devices. I believe that it means that it meets the real RS-232 specs, such
as RS-232C. I translate it to also mean that if I buy a "TTL/CMOS" unit it
will really meet the specs required for TTL and CMOS input and output pins.
(There are voltage, current, rise and fall times spec'd for these, for
example). I don't translate it to mean that all units are RS-232 compatible
nor that CMOS units are RS-232 compatible.

My summary would be:
If you're designing a new circuit where the unit will be directly connected
to your microprocessor (or uart) chip, the TTL/CMOS part might be the best
choice.

If you desire to run off of lower power supply systems, such as batteries or
6vdc power, then the low voltage unit might be the best choice. This might

also be a good choice if longer battery life needs to be considered.

If you desire to run off of various higher voltage systems, such as a car
battery (typically 13+ vdc) then the HVS unit is not a bad choice - if you
don't mind soldering on all your connectors. I chose this route.

If you want a plug-n-play unit, for car power and connection to a laptop
computer, then the one with connectors might be the most expedient solution.

If you want exact specs on TTL, CMOS and RS-232 voltages, currents,
rise/fall times, please send me an email 'off-sig' and I'll send you more
info.

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770. [aprssig] Re: PSK31 clarifying question

From: Roger Barker <roger@peaksys.co.uk>
Date: Mon, 19 Feb 2001 19:16:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136058-2001.02.19-13.30.48--lyris.aprssig#tapr.org@lists.tapr.org>
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In article <LYR1643-135995-2001.02.19-07.58.57--roger#peaksys.co.uk@list
s.tapr.org>, Ev Tupis <w2ev@rochester.rr.com> writes
>
>Does a PSK31-engine exist (similar to the way that the AGWPE engine
>works) in such a way as to be able to shim it between an application
>(APRS) and a transceiver?

I should have one working in a couple of days time...

> In a related way...how *would* one go about
>encoding an APRS frame into PSK31 in order to simply turn the
>mode-switch on a connected transceiver to FM to give this a try?

Besides turning the mode switch, you need to make the connections to the
PC sound card, and to a COM port for the PTT if the rig doesn't have
vox. The next step should be to test it all with a PSK31 terminal
program to make sure it works and you can tx and rx ok.

As regards encoding an APRS frame into PSK31, I'm doing it by making the
PSK31 server look like an APRS server, so an APRS app can connect to it
using TCP/IP.

(Note - I'm doing it for fun, and because ham radio is supposed to be
about self-training and experimentation.)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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771. [aprssig] Re: PSK31 clarifying question

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 19 Feb 2001 11:34:12 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136065-2001.02.19-13.49.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Ev Tupis <w2ev@rochester.rr.com> wrote:

> Does a PSK31-engine exist (similar to the way that the AGWPE engine
> works) in such a way as to be able to shim it between an application
> (APRS) and a transceiver?

A PSK31 .dll core exists and is the basis of several of the existing
software packages.   Some of these packages will receive multiple
frequencies at one time. I'm thinking that if we replace the cpu

consuming waterfall with a smart scan of a portion of the band, it
should be very possible to generate and decode APRS style broadcasts.

I haven't check yet, but I believe the source code for a PSK31 engine
probably also exists for Linux.

>In a related way...how *would* one go about
> encoding an APRS frame into PSK31 in order to simply turn the
> mode-switch on a connected transceiver to FM to give this a try

Define 3 or 4 more versions of Position packets to add to the protocol...

Maybe just setting up a convention where the 6x Grid Square is sent
after the call:

  ARPS APRS de WA7NWP WA7NWP [CN87zz] [CN87zz] KN

Hmm. This would be cool with CW too. And human readible. And human
generatable.   (We talked about that before...)   But I wonder, how
would it work doing CW on FM for DX meteor scatter?

Bill

_____
Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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772. [aprssig] Re: PSK31 clarifying question

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 19 Feb 2001 14:40:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136067-2001.02.19-13.53.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I really love this idea of using grid squares.... compact and consistent
format..
Not sure why there is any need to repeat the info - given the FEC and error
checking in PSK31 and many other digital modes...

> From: Bill Vodall [SMTP:wa7nwp@yahoo.com]
> Maybe just setting up a convention where the 6x Grid Square is sent
> after the call:
>
>   ARPS APRS de WA7NWP WA7NWP [CN87zz] [CN87zz] KN
>
> Hmm. This would be cool with CW too. And human readible. And human
> generatable.   (We talked about that before...)   But I wonder, how
> would it work doing CW on FM for DX meteor scatter?
>

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773. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 19 Feb 2001 19:22:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136119-2001.02.19-18.37.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You forgot to add that the original statement also included words to the
effect that "PSK31 on FM is a waste of time. Don't bother trying it."

NO ONE is disputing the fact that SSB PSK31 (IMHO there is no such thing as
'baseband' PSK31) is "better" than FM PSK31.

What we are saying is that FM PSK31 is better than "normal" FM, and FM PSK31
may be used to extend the 'normal' range of communications between FM
stations to include full copy between stations that could not hear each
other before.

Richard Amirault N1JDU Boston,
MA, USA
www.erols.com/ramirault "Go Fly A Kite"
----- Original Message -----
From: "Jeff King" <jeff@aerodata.net>
(snip)
> Baseband PSK31 performs far better then PSK31 overlayed on a FM signal.
Everyone keeps
> trying to change this statement to fit their own conclusions, yet the
original statement still stands.
(snip)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

774. [aprssig] Re: PSK31 clarifying question

From: Jeff King <jeff@aerodata.net>
Date: Mon, 19 Feb 2001 15:58:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136084-2001.02.19-15.14.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Sadowski, Allan" wrote:
>
> I really love this idea of using grid squares.... compact and consistent
> format..

Without considering Varicode, not as much as you might think. Plus doesn't
help if you need non-nuclear cruise missile accuracy or want a tactical HF
AVL system. See this posting (also at end of this message):

http://www.tapr.org/tapr/list-archive/aprssig/0007/msg00604.html

For some comparisons and thoughts on the issue *if* your goal is using
APRS on PSK31. I don't believe that is Bob's goal, or at least he has
told me this in the past.

But there may be better modes suited to a tactical system then PSK31.

> Not sure why there is any need to repeat the info - given the FEC and error
> checking in PSK31 and many other digital modes...

The FEC (in the QPSK version of PSK31), I believe is only char by char.
You'd still want a checksum at the end to confirm the frame is what it says
it is.

Remember, PSK31 is only 31 bps, that is slow! *If* your goal is a tactical
system, this needs to be taken into account. A three second frame is alot
smaller target then a 10 second frame.

-Jeff

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] RE: APRS & PSK31
From: Jeff King <jeff@aerodata.net>
Date: Thu, 20 Jul 2000 20:48:04 -0400

Bob Bruninga wrote:

> My thoughts are you simply look at the data. If you see somthing like
> this:
>
> .... de WB4APR @FM18SX ....

> then you interpret the FM18SX as a grid square and plot him. Nothing
> more. Im not suggesting using PSK31 for APRS at all.

I don't understand this, you say your not suggesting using PSK31 for APRS
yet your saying you interpret FM18SX as a grid square and plot it. The
implication here is you plot on a computer map.... or are you just suggesting

using paper?

Assuming the former, lets look at your suggesting for plotting position using
grid squares:

... de WB4APR @FM18SX...

Looks good, but without understanding how varicode works its far to verbose.
Seems strange to say this, but with PSK31 we don't have the luxury of 1200
baud.... the data stream is only 31bps. Maybe a link to the theory of varicode would
be helpful:

http://www.kender.es/~edu/psk31theory.html#Information Coding

OK, so lets look at how long your example is:

de WB4APR @FM18SX   which is 17 chars including the de, space and delimiter.

Now, transcribing this to varicode we get the following (bit length under char)

d	e	_	W	B	4	A	P	R	_	@	F	M	1	8	S	X
6	2	1	9	8	8	7	8	8	1	10	8	8	8	9	7	9

for a total of 117 bits + (16*2 sync bits) = 149 bits @31bps = 4.8 seconds
to send a very ambiguous posit that is not very computer friendly.

another way to do it would be as follows and could be part of the PSK31
ID string delimited as follows:

<call in lower case><aprs delimiter><lat><lon><optional checksum>
example for lat 39.0858, lon 763601 (note "_" is space):

wb4apr-ts_rarlntn_e   (see conversion table below)

Now, transcribing this to varicode we get the following (bit length under char)

w	b	4	a	p	r	-	t	s	_	r	a	r	l	n	t	n	_	e
7	7	8	4	5	5	6	3	5	1	5	4	5	5	4	3	4	1	2

for a total of 84 bits plus (18*2 sync bits) = 122 bits @31bps = 3.9 seconds.
A ~19% savings in air time giving a precise posit that is very computer
friendly. This could be a standard ID frame that is sent with each station.

here is the conversion table:

Char	bit pattern	Could be?
SPACE	1	0
e	11	1
o	111	2
t	101	3
i	1101	4
a	1011	5
n	1111	6
l	11011	7
r	10101	8
s	10111	9

Now, taking this a step further, we could go with base100 for our
lat/lon and save those two bits for sync on the lat lon chars (as
we are going from 12 chars to 6). We offset with 32 then take the
four smallest varicodes from under 32 as 0-3 (all varicodes under
32 are 10 bit) and this gives us a average varicode length of
about 8.

So we could have something like this for lat 39.0858, lon 76.3601

wb4apr-C$Vh@<LF>

Now, transcribing this to varicode we get the following (bit length under char)

w	b	4	a	p	r	-	C	$	V	h	@	<LF>
7	7	8	4	5	5	6	8	9	9	6	10	5

for a total of 89 bits plus (12*2 sync bits) = 113 bits @31bps = 3.6 seconds
which is a 25% savings in air time.

Now, I haven't consider the ones place or sign for either lon or lat, but this
could be delt with in the delimiter field.

The advantages are:

1. A easily machine parsable format
2. Far more precise location then "grid squares"
3. A significant savings in air time.

Give it some thought.

-Jeff

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775. [aprssig] Email server broke?

From: Joel Maslak <jmaslak@antelope.net>
Date: Mon, 19 Feb 2001 18:28:14 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136125-2001.02.19-19.35.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone else noticed wierd things with the EMAIL gateway?

I sent a few test emails, to test some functionality on my device. As a
result of these tests, though, I've been getting messages every 3-4
minutes or so that look like:

Port ax0: AX25: N7XUC->APRS v WIDE <UI C> pid=Text
0000 }WU2Z>APM348,TCPIP*,N7XUC*::N7XUC-2 :503 MAIL first (#5.5.1).

Obviously, this is some sort of SMTP error. I just wish it would give up
trying to send these messages (both to valid email addresses).

--
Joel Maslak
N7XUC

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776. [aprssig] Re: Fade Points?

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 19 Feb 2001 20:25:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136127-2001.02.19-19.40.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, APRSDos is my mode of choice, but I'm no expert .... let's see if I
can remember...

Fade points are *one* way to do Direction Finding with APRSDos. This method
works best where there are no obstructions to the signal. As I understand it
was used quite often when searching for an emergency beacon (of a downed
pilot) in the ocean.

The theory is that the area of reception is a circle (true in the ocean, not
so true on land sometimes) If a search plane *hears* a signal it marks
where it first hears it. It then keeps flying until it *stops* hearing it
and makes another mark point. You know have two points on the map that are
the *edge* of the reception circle. But those two points could be two
different circles, see the two dots on the next line:

                  .   .

The circle could be above the dots, or could be below the dots So you need
at least *three* points to define *one* circle. The plane makes a u-turn and
flys back into the reception area. Once inside the area (hearing the signal)
it turns in a random direction and flys until the signal fades (and makes
the third point)

Now you have three points that are all along the edge of a single circle of
coverage. Where is your beacon (or fox) transmitter ?? In the CENTER of
the circle!

In APRSDos you drive around till you either hear or loose the signal. Then

press the F5 key to mark the spot. Keep doing that until you have at least three points marked. (more is better) APRSDos has a way (I forget how) to plot the "center" of the circle on the screen.

Richard Amirault N1JDU Boston, MA, USA
www.erols.com/ramirault "Go Fly A Kite"
----- Original Message -----
From: <henk.de.groot@hetnet.nl>
(snip)
Anyway, at some point pressing a function key, I believe it was F5, created a "Fade Point" with the name A1(DNN). Now DNN is my call suffix and A1 seems to be some sequence number since the next time I hit F5 it creates A2(DNN)... etc.

At first I thought it were just markers on the screen, but these "Fade Points" are also transmitted and I got questions from other HAMs asking what I was doing. I could answer that I was playing arround, but I could not aswer where these are good for. So what are "Fade Points" and what is their purpose?
(snip)

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777. [aprssig] Re: GPS 35 version differences?

From: WA8LMF1@aol.com
Date: Mon, 19 Feb 2001 16:34:38 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136088-2001.02.19-15.49.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/19/01 11:35:16 AM Pacific Standard Time, tarnerich@in-situ.com writes:

<< Available Versions
 * GPS35-LVC Attached 10 foot power/data cable with bare wire ends. Accepts power from unregulated low voltage power supplies between 3.6 and 6 VDC. Asynchronous serial data interfaces via 2 serial ports with CMOS voltage level outputs, RS-232 polarity.* >>

This looks fairly unmistakable to me. "Real" RS-232 rests at -6 to -12 volts or so, and swings to +6 to +12 when data is being sent. TTL-level data output rests at +5 and swings to nearly 0 when data is being sent (the normal TTL convention of a
"zero"=5V and a "one"=0V) In other words, the TTL convention for the DIRECTION (polarity?) of the voltage swing during data transmission is "upside down" relative to RS-232.

The "CMOS level output, 232 polarity" in the quote above rests at 0V and swings to whatever the supply voltage is (+3.5 to +6V) with data. That is, it swings in the same DIRECTION as real 232 but starts at 0V instead of -12V. This works with most (but not all) serial ports on PCs. [The Tiny Trak and various other devices I have used use this "half-232" mode quite successfully.]

BTW, to add to the confusion, there is a military standard for data transmission, MIL-188 as I recall) that is the mirror image of RS-232; i.e. rests at +12 volts and swings to -12 volts. A lot of early RTTY units offered either RS-232 or "inverted" 232 (Mil-188) outputs by inserting one more inverter in the line.

Stephen H. Smith Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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778. [aprssig] Stupid APRS Trick - Labels

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 19 Feb 2001 17:09:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136100-2001.02.19-16.22.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I looked all over the docs... and my three inch thick skull and three brain
cells - failed to find the answer... and I know there is at least one
expert that can answer this riddle...

The only label I have in the past - successfully - been able to use was of
the form

KENANSVILLE   ,34.94277777777777,77.98222222222222,200"

Three questions....

#1 How does one denote E and W.... as well as N and S for the above
position plot?
#2 Is there a shorter syntax than the above... (with the understood loss of
precision)?
#3 How could I plot a circle around the position having a 150 km radius?

Thanks in advance...

ALOHA
AH6LS

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779. [aprssig] Re: PSK31 clarifying question

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 19 Feb 2001 21:23:42 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136138-2001.02.19-20.38.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My answer about the PSK-31 APRS application:

Because of the frequency tolerance requirements of PSK (you have to tune
to better than 1 Hz), it will never work (as is) for LOTS of bursty users
(APRS), but is ideal for QSO's.

The only way to have an AUTOMATIC reporting PSK-31 service would be the
way I proposed it 2 years ago. The PGATE server sends out a CALLS-HEARD
list every 30 seconds (last 10 for example). This gives the traveling
user something to manually tune to. He sends his report. If he sees
himself in the list, then his report is into the PGate and he is done. If
not, he tries again.

But it must be MANUALLY originated... At least anyway until someone
writes the auto-homing code... Of course, if there is MAIL for him, then
the PGate sends it to him.. Etc. But the PGATE must be transmitting most
of the time to give people the signal to tune in...

All someone has to do is write the software. PSK31 is fantastic for
tracking a sailboat around the world on only a few watts.... We just have
to give him a place to report...

But I doubt APRS-K31 will ever have that big a following, gosh, we have
had APRS for 9 years and still ahve very few HF mobiles. Its not as good
as PSK-31, but it worked...

de WB4APR, Bob
 On Mon, 19 Feb 2001, Ev Tupis wrote:

> > Listen, I have had enough of this. Think what you want.
>

> Ok...I think I'll ask some clarifying questions of the SIG, 'cause I'm
> still not absolutly convinced that there isn't benefit to be gained
> (it's just the degree of benefit relative to expended effort that's at
> question in my mind); especially since it was tested and documented in
> October 2000's QST (Thanks, Mark...now...where did I put that issue?
> <grin>).. Thanks for starting this whole thing, Bob! :o)
>
> Regards,
> Ev Tupis, W2EV

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780. [aprssig] Weather Station Support and APRS Software

From: "hasan schiers" <schiers@netins.net>
Date: Mon, 19 Feb 2001 20:33:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Brian Hamilton" <windy@ps.gen.nz>
Message-ID: <LYR842-136140-2001.02.19-20.48.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am pleased to announce that due to the very hard work of Brian, author of
Weather-Display, his program is now putting out the proper file format for
APRS programs to "read" and re-transmit. It has taken the better part of 10
days to solve two problems:

1. The file format.
2. Compatibility with my Peet U-2000.

They are both solid now and a beta version of APRS+SA that I am testing is
working perfectly with Brian's program. I have it running on a network and
it writes the file over the network to the machine that is running APRS+SA.
Brent's program is configured with a settings.ini file that tells itself
where to look for the file, what it's name is, and how often to transmit the
contents of the file. Brent has not released the version that reads this
file yet....we are still beta testing version GPS 199YKH.

The file contents generated by Weather-Display look like this:

Feb 19 2001 19:47
338/000g000t026r000p000b10175h90/fWD

This format corresponds to the basic information requested by Roger Barker,
and was taken directly from the APRS spec. I have confirmed that APRS+SA,
WinAPRS, the D7 and D700 all decode this information properly.

It is now possible for any APRS author to incorporate Roger's suggestion for
weather station support with very little coding AND this requires NO
INTERNAL weather station support in the APRS program whatsoever. All that is
needed is the ability to read a simple two line text file, format the
packets and send them out over the network.

Two weather station programs currently write this file, although vws has
some file format issues to fix.

Weather-Display, Brian Hamilton of New Zealand

http://www.weather-display.com/

Cost: approx 30 dollars. Credit card, via internet if desired.

Customer Support: Beyond Belief!

Program Updates: Very frequent (more than once per month, often per week)

Weather Stations Currently Supported:

ELV/Conrad WS2000/7000 series
La Crosse WS2010
WMR-900H
WM-918/WX-200
WMR-918 (Wireless)
WMR-968 (Wireless)
Davis WMII Full/Wireless (with data logger)
Davis WMII no rain gauge/humidity (with data logger)
Davis WISARD III (with data logger)

Davis GROW (with data logger)
Conrad
Peet Ultimeter 100-800 (with direct cable connection and data logging mode)
Ultimeter 2000 with daily high/low data at start (Beta test) (This is what
I'm using data logger mode)
Ultimeter 2000 (direct connecxtion with data logging mode) (This did NOT
work for me)
Ultimter data setup/rain gauge option setting
UWS 3000ws Ultra Sonic wx station
Maximum's Weather Max (data logger set to 9600 baud)
RAWS Input

(I can only verify the U2000 performance, as that is all I have tested it
with. The rest are wx stations listed in the setup.)

The one thing I am SURE of, is that Brian WILL make any wx station in the
list work, and could well support others if asked. He has been a prince.

Weather-Display version 6.99 works very well. It has a straightforward,
uncluttered display that makes good, yet restrained, use of color. It is not
as "fancy" as VWS, but costs about half what VWS does, and is MUCH lower in
terms of processing cycles consumed. My 266 Pentium II shows only 6 to 7
percent of processing time used by Brian's program. VWS, on the other hand,
consumes 30% or more.

Both are good programs with some amazing features. I have registered both of
them, but am running Weather-Display the vast majority of the time because
of its common sense layout and feature set, as well as its incredibly low
processor loading.
==========

Virtual Weather Station:

http://www.ambientsw.com/

Cost: $69.00, Intenet and Credit Card

Customer Support: Responses a few days by email. Not particularly valuable
information.

Program Updates: Relatively frequent, but spotty. Several in one month, two
months with none.

Very flashy, unusually customizable, a little pricey, a bit of a load on
processors, but not oppressive. Only Brian's extremely low loading with
Weather-Display make VWS look worse than it is. Features galore, reliable
operation. File format for APRS is not quite right yet. I am not working
with the author and I don't know who is, but he is to be commended for
trying to support APRS. One of you guys who is using VWS needs to help him
get it right.

Weather Station Support:
Davis Instruments Weather Monitor, Wizard and Wireless, Peet Bros. Ultimeter
2000, WeatherMax, Radio Shack WX-200, Oregon Scientific and Huger WM-918,
WMR-918 and WMR-968 (wireless)

(I have only tested it with the Peet U-2000)

==========

Now it's up to the APRS authors to incorporate Roger's brilliant idea.

Current Status:

UI-View   Should already support it, as it was Roger's fault this all
got started <grin>

APRS+SA   Beta tested, confirmed working perfectly, awaiting release by
Brent

WinAPRS   ??? (I hope the Bros Sproul pick up on this)

dosAPRS   ??? (I think Brian has a dos version...could have his arm
twisted?)

==========

Those of us running Windows 9x and perhaps higher can now have our wx cake
and eat aprs too. No longer do we have to give up a wx serial port in aprs

and a wx serial port for our data collection, graphing and analysis software
...each program does its own job and the only thing they share is the file.

73,

...hasan

hasan schiers, NØAN
schiers@netins.net

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781. [aprssig] Re: Stupid APRS Trick - Labels

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 19 Feb 2001 23:20:08 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136162-2001.02.19-22.35.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 19 Feb 2001, Sadowski, Allan wrote:

> The only label I have in the past - successfully - been able to use was
>
> KENANSVILLE   ,34.94277777777777,77.98222222222222,200"
>
> #1 How does one denote E and W.... as well as N and S for the above

(+ and -)

> #2 Is there a shorter syntax than the above...

Yes, APRSdos uses only 4 digits to get the label to the nearest 60 feet or
so anywhere on the planet. Unless you want to put the label on your
Fleamarket spot at Dayton, then I would use 5 digits... Good to 4 feet.

> #3 How could I plot a circle around the position having a 150 km
radius?

In APRSdos, choose the "AREAS" ICON and chose a CIRCLE of 150 km radius.

Hope that helps
bob

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782. [aprssig] PSK-31 Multiplexing and Emergencies

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 19 Feb 2001 20:43:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136130-2001.02.19-19.58.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are 3 thoughts about PSK-31 which you might find to be from
a totally new perspective. MULTIPLEXING and EMERGENCY SERVICES.
First are two answers (the only ones I can think of) about using VHF FM.
THen it goes into the tremendous emergency capabilities of PSK-31.

1) Since all of the WARBLER activity on 80m sits in a single 3 KHz
   bandwidth, then someone could install a Warbler receiver at an
   excellent 80m location hooked to a tiny FM xmtr and transmit the
   entire 80m PSK-31 band locally over a single FM channel. Then
   anyone in an apartment could use their FM receiver and the DIGIPAN
   software and tune in any of the 80m warblers. As many as 30 QSO's
   can happen in that one channel (if they all are clean signals)...

2) IDEA 2: Imagine a Disaster where you have a tent full of PC's
   and LAPTOPS that need to communicate to the outside world.
   SImply take their PC scoundcard speaker outputs all jumpered

> together to the mic jack of an FM rig. Then that single
> FM channel can carry as many as 30 channels of data out of the
> area. (make sure the audios are clean).

Yes, there are other ways to multiplex many PC's, but all require
special Hardware, or software. With PSK-31, its come-as-you-are...
With each outputting its own independent tone, they can all simply
be WIRED to the same Mic jack and the multiplexing is free!

Problem is getting the data back into the area. Its easy to put many
channels together going out to anyone that wants to tune into any of the
single outbound tones. But you cannot get multiple reply channels back
in, unless you bring them all to one point first...

Which points out that... why bother? A complete PSK-31 HF XCVR kit is
only $45 and each one can handle 30 simultaneous channels why fuss
with multiplexing? EVERYONE should have one... Its the perfect EMERGENCY
radio! Every EOC should have one!

It is the IDEAL Disaster communications tool. ONE such $45 XCVR and a
long wire, can bring in 30 Channels of data into the EOC if you have
enough PC's to listen to all of it! A second $45 XMTR can take then
all of the PC outputs to a single 30 channel OUTBOUND XMTR!

Too bad such a scenario would probably never occur in ones lifetime,
but think of the power of HAM radio if it can get 30 channels of
data (Typing speed) over 200 miles out of an area running full key
down for 15 hours straight on one set of D cells....

(powering the PC's will be a far bigger problem, hi hi)

HAM RADIO FOREVER!
de WB4APR, Bob

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783. [aprssig] 2M/440 gating?

From: Jamie Hutches <jmhutches@Harding.edu>
Date: Tue, 20 Feb 2001 00:29:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136193-2001.02.20-00.36.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,
I am trying to come up with a plan to put an APRS station up at our Nat'l
Weather Service office here in Arkansas and I have some questions. The
problem is that there is several radios on 2M and we are worried about
interferance because we would not have much if any spacing between antennas
on the tower.
We are exploring the possiblity of running the NWS stations on 440 and
beaming it to our local WIDE digi up on a nearby mountain.
Question.... Is This Possible!?!?
If it is what would we need equipment wise. I was thinking a Kantronics 9612
on the WIDE digi could handle the 144.39 traffic as usual, and then the
9600k port on the TNC could handle the 440 link to the NWS, but the question
is how do you inject packets from the 440 network into the 2M network and
visa versa.
Also if you know of any websites or articles about this I would be grateful.
73,
Jamie Hutches, KD5GOB
Vice-President, North Central Arkansas Amateur Radio Service
Asst. District Emergency Coordinator, Packet - APRS
http://www.qsl.net/kd5gob/araprs.html

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784. [aprssig] Re: Stupid APRS Trick - Labels

From: Gerry Creager n5jxs <gerry@cs.tamu.edu>
Date: Mon, 19 Feb 2001 21:02:19 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136141-2001.02.19-21.16.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Sadowski, Allan" wrote:
>
> I looked all over the docs... and my three inch thick skull and three brain
> cells - failed to find the answer... and I know there is at least one
> expert that can answer this riddle...
>
> The only label I have in the past - successfully - been able to use was of
> the form
>
> KENANSVILLE   ,34.94277777777777,77.98222222222222,200"
>
> Three questions....
>
> #1 How does one denote E and W.... as well as N and S for the above
> position plot?

By convention, that'd be 34.9427...N, 77.98222222...E

That convention is a geographic as well as geodetic norm.

THAT said, the Americans being what we are, and convinced we are right
even when we don't really conform to the rest of the world, the National
Geodetic Survey has, on a number of its programs, defaulted to +N/+W
since so many of us couldn't understand that we shoulda been
"34.9427..., -77.98222".

It really doesn't matter as long as the same convention is reasonably
applied. I personally prefer to annotate the N/S and E/W and use
positive numbers (or occasionally, negative numbers where it's
appropriate).

Sufficiently ambiguous? ;-)

> #2 Is there a shorter syntax than the above... (with the understood loss of
> precision)?

6 decimal places is more'n sufficient unless you're getting better
accuracy and precision than I do for most of my geodetic work. I
suspect that 0.0001 degree (10m or so)is sufficient for most folks.
0.00001 deg (1m) is overkill unless you're using geodetic-grade hardware
and techniques.

> #3 How could I plot a circle around the position having a 150 km radius?

Let's see... First you locate the point of beginning, then you get a
REALLY long string and hold it at that point. Then you have someone
take the string, with a knot at the 150km point, and have 'em walk out
'til it's tight. Their tracker will then draw the circle as they walk
around your point keeping the string tight.

Before you guys start issuing the flames, it's been a really long month
and a particularly bad week. This is as close to humor as I can muster
before I go back into work tonight...
73, gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering |Research focusing on
Academy for Advanced Telecommunications |Satellite Geodesy and
and Learning Technologies |Geodetic Control
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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785. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 20 Feb 2001 01:43:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136202-2001.02.20-02.00.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:24 PM 2/19/01, Jeff King wrote:

>Yet, when I read the original statement, and it is clear to me the person that
>made that statement was commenting on how PSK31 was intended to be used
>versus the mode that was being suggested. Taking it in the entire context
>of how it was stated, and you will see this. Yet the party involved was to
>stubborn to admit it simply was a misunderstanding of words. I eventually
>figured
>that out after a while.
>
>
> > NO ONE is disputing the fact that SSB PSK31 (IMHO there is no such thing as
> > 'baseband' PSK31) is "better" than FM PSK31.
>
>It could have fooled me.... I was very clear as to what I was referring
>to, I'm
>still not sure what the other parties were referring to (one was comparing it
>to voice, the other comparing it to AFSK, and another to baseband PSK31).

Again, I will not comment on FM PSK31 anymore, but I will address
"untruths" being told here. I made very clear early on to Mr. King and
Mr. Moffatt that we were discussing FM PSK31 vs FM voice. I even said
this is to be done with FM radios only and that NO SSB rigs were to be
used. This point was made very early on.

Ev Tupis introduced the other part of the equation - FM PSK31 vs FM Packet
and I sure understood what he was talking about. Ev and I both made very
clear statements privately to Mr. King that that we had no qualms with the
statement that SSB would result in longer range communications than FM, but
that is not what we were referring to and never were. Apparently in his
zeal to prove us all wrong, these statements went totally unnoticed by
him. Which leads me back to the my basic premise: Why the Negativity?

I would like to point out that Mr. King has now twice made disparaging
comments (that I have seen) about the article in QST without having even
seen it. Again, with the negativity.

73,

Mark
KC7BXS

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786. [aprssig] PSK-31 Multiplexing and Emergency COMMS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 19 Feb 2001 23:54:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136170-2001.02.19-23.09.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are 3 thoughts about PSK-31 which you might find to be from
a totally new perspective. MULTIPLEXING and EMERGENCY SERVICES.
First are two answers (the only ones I can think of) about using VHF FM.
THen read the end about the tremendous emergency capabilities of PSK-31.

1) Since all of the WARBLER activity on 80m sits in a single 3 KHz
   bandwidth, then someone could install a Warbler receiver at an
   excellent 80m location outside of town, hooked to a tiny FM xmtr and
   transmit the entire 80m PSK-31 band locally over a single FM channel.
   Then anyone in an appartment could use an FM receiver and the DIGIPAN
   software and tune in any of the 80m warblers. As many as 30 QSO's can
   happen in that one channel (if they all are clean signals)...

2) IDEA 2: Imagine a Disaster where you have a tent full of PC's
   and LAPTOPS that need to communicate to the outside world.
   SImply take their PC scoundcard speaker outputs all jumpered
   together to the mic jack of an FM rig. Then that single
   FM channel can carry as many as 30 channels of data out of the
   area. (I would use some resistors to impedance match). Shucks,
   so could an HF rig and it can do it 200 miles or more on a wire.

Yes, there are other ways to multiplex many PC's, but all require

special Hardware, or software. With PSK-31, its come-as-you-are...
With each outputting its own independent tone, they can all simply
be WIRED to the same Mic jack and the multiplexing is free!

Anyone listening can tune whatever tone in the pack they want.
Problem is getting the data from multiple sites back to the emergency
site. You cannot get multiple reply channels back in, unless you bring
them all to one point first...

Which points out that... why bother? A complete PSK-31 HF XCVR kit is
only $45 and each one can handle 30 simultaneous channels why fuss
with multiplexing? EVERYONE should have one... Its the perfect EMERGENCY
radio! Every EOC should have one!

It is the IDEAL Disaster communications tool. ONE such $45 XCVR and a
long wire, can bring in 30 Channels of data into the EOC if you have
enough PC's to listen to all of it! A second $45 XMTR can take then
all of the PC outputs to a single 30 channel OUTBOUND XMTR!

Too bad such a scenario would probably never occur in ones lifetime,
but think of the power of HAM radio if it can get 30 channels of
data (Typing speed) over 200 miles out of an area running full key
down for 15 hours straight on one set of D cells....

(powering the PC's will be a far bigger problem, hi hi)

No, I m not a proponent of trying to use PSK-31 on FM, but The above are
some interesting ideas that could... Remmber, 30 channels of PSK-31 data
can fit into the Mic-Jack of ANY VOICE RADIO. SSB, FM, AM, whatever...
Finding a use for that capabilty is what is the challenge...

This has nothing to do with the parallel thread of letting APRS display
PSK-31 QSO's when a Gridsquare is seen. (Next message)..

de WB4APR, Bob

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787. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 20 Feb 2001 04:44:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136205-2001.02.20-04.00.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:

> Again, I will not comment on FM PSK31 anymore, but I will address
> "untruths" being told here.

We should really think about starting our own SIG.

I just realized why this whole debate imparted such a feeling of Deja Vu.
In any case, the parrot most certainly is dead.

(real audio - 4 parts)

http://members.tripod.com/speedymoo/content/parrot01.ram
http://members.tripod.com/speedymoo/content/parrot02.ram
http://members.tripod.com/speedymoo/content/parrot03.ram
http://members.tripod.com/speedymoo/content/parrot04.ram

(text)

http://www.pythonet.org/pet-shop.html

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788. [aprssig] Re: PSK31 overlayed on FM=no good. Really?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 20 Feb 2001 00:24:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136172-2001.02.19-23.42.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why can't people let this go (or maybe I should ask myself this
same question).

Richard Amirault wrote:
>
> You forgot to add that the original statement also included words to the
> effect that "PSK31 on FM is a waste of time. Don't bother trying it."

You of course are trying to read another parties mind in trying to figure
out what they were referring to. And that party is not me.... ever heard
of asking the source?

Yet, when I read the original statement, and it is clear to me the person that
made that statement was commenting on how PSK31 was intended to be used
versus the mode that was being suggested. Taking it in the entire context
of how it was stated, and you will see this. Yet the party involved was to
stubborn to admit it simply was a misunderstanding of words. I eventually figured
that out after a while.

> NO ONE is disputing the fact that SSB PSK31 (IMHO there is no such thing as
> 'baseband' PSK31) is "better" than FM PSK31.

It could have fooled me.... I was very clear as to what I was referring to, I'm
still not sure what the other parties were referring to (one was comparing it
to voice, the other comparing it to AFSK, and another to baseband PSK31).

BTW,
there is no such thing as "SSB PSK31". You can feed a PSK audio signal into
a SSB transmitter, and use it to generate a baseband RF PSK signal (i.e. directly
PSK modulated RF carrier), but you can't do the same thing with a FM transmitter.

> What we are saying is that FM PSK31 is better than "normal" FM, and FM PSK31

No "we's" here please, this is part of the problem. Speak for yourself. And I
don't disagree with your statement.

So, we agree, OK?

-Jeff

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789. [aprssig] PSK31 Position formats

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 20 Feb 2001 00:13:00 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136171-2001.02.19-23.38.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Considering the PSK-31 varicode, at first I thought that it would be best
to use [gg#gg] lower case letters since their VARICODES are shorter...

But after some thought, and watching PSK-31 most of the weekend, I now
think that we should only look for Upper Case grids, here is why.

1) Upper case requires longer varicodes. (but somewhat more vulnerable to
errors)

2) But PSK errors that induce an extra "0" truncate the longer sequence
and make it always look like a shorter code. (lower case or other
gyberish). THus if we suggest that GRIDS always be placed
in uppercase, [GG##GG] then for free we get some ERROR detection. If any
part of the grid is not uppercase, then it MUST be bad.

The cost of this error detection is that the reliability of getting the
grid error free is slightly less, but the benefits of DETECTING the error
more easily far outweighs it.

THus, I would recommend that auto-grid detection only accept UPPERCASE
grids. [GG##GG]

Later, as the authors add more smarts, then another format for computer
assisted transmission could be [gg##gg]K where LOWER CASE must be used and
the "K" on the end is a required checksum... (still very human friendly).

Or, once the computer is involved, then I am sure there is a convolutional
code that would be even more robust to get the GRID from one end to the
other even better and then it does not have to be human readable. BUT,
unless it was very very good, I would rather see HUMAN readable and HUMAN
friendly PSK-31, and not mess up a good thing. If a GRID is that
imprortant, then just send it twice...

Just some thoughts.

de WB4APR, Bob

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790. [aprssig] BayPac BP-2 "Gender Changer" TNC

From: Zachary Michael <kb9uqq_2000@yahoo.com>
Date: Sun, 18 Feb 2001 21:20:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136136-2001.02.19-20.30.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gang,
Just saw the ad for the Tigertronics BP-2 TNC. This little guy looks
awesome! Has anybody had any experience with this thing? I thought it
would be really neat to go along with my laptop. It looks exactly like
a 25 pin gender changer except with no connector on the other end.
Would it work with APRSDos? And if so I wonder if Bob could add some
special support like WinAPRS has for it. That would be great! (So Bob
what'd ya say?) I am defenitily thinking about getting one of these!
If you have any info on this then please let me know, because the
Tigertronics isn't a very good place for specs. (NONE what-so-ever!)
--
Thanks and 73's,
Zachary Michael, KB9UQQ, KB9UQQ-6, KB9UQQ-7, KB9UQQ-9, KB9UQQ-10
KB9UQQ-10 (Home)
http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-10
KB9UQQ-9 (Car)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-9

KB9UQQ-7 (D7A)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-7

KB9UQQ-6 (Laptop) http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-6

KB9UQQ   (Home)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq
40.25.51 N Degrees Latitude --- 085.15.29 W Degrees Longitude
Hartford City, Blackford County, Indiana
Zach's Homepage: http://www.kb9uqq.net/
Zach's APRS Resources: http://www.aprsinindiana.cjb.net/
TAWG Coordinator: http://www.tawg.org/
E-Mail: kb9uqq@tawg.org

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791. [aprssig] Re: Fade Points?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 19 Feb 2001 21:09:14 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136135-2001.02.19-20.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 19 Feb 2001 henk.de.groot@hetnet.nl wrote:

> I'm playing a bit with dosAPRS.. pressing... F5, created a "Fade

> Point" with the name A1(DNN).... the next time I hit F5 it creates
> A2(DNN)... etc.

It is the Fade Circle Technique of DFing used by the Civil Air patrol. It
lets a single operator with a single radio and omni antenna locate a
transmitter. See DF.TXT. Here is how it works:

If you are mobile, drive to where the fox fades. Press F5. Turn around.
Drive the other way till the fox fades. Hit F5. Go back to the middle,
turn either way, and drive till the fox fades. Hit F5.

Now you have 3 equal signal strength points on the map. Now press
MAPS-PLOTS-DF-FADEtechnique. APRSdos will compute the center of the
circle formed by those three points. Now DRIVE to that location.
Now REDUCE gain, take off your antenna, or anything you can do to weaken
your sensitivity. Do it again. Each time, the center of the circle gets
smaller until you find the fox.   You did it with nothing but a radio...
and APRS...!

 > I also found that some of the function-keys move the cursor, I think it
 was F2, F4, F6 and F8....

No, the keys 2,8,4 and 6 which are the same as the arrow keys on the
keypad allow you to hold the SHIFT key and use these WHITE key arrows to
mvve the cursor at 5 times the distance of the arrow keys by themselves.
This is for PC's without mice. Use the white arrows with SHIFT and you
can move pretty fast...   (just turns out that that equals 2,5, 4 and 6)

> what it does or I don't get done what I want to get done (like tracking
> a vehicle).

Go to POSITIONS list, move cursor down, hit ENTER to select the station
you want to track. Then hit T for TRACK. From then on, APRSdos will
recenter the map on that station whenever a new posit comes in...

Or hit OPS-REPLAY and you will see the cookie crumb trail of where
everyone has been (last 100 points in memory). Or if you have done a
FILE-SAVE, then you can replay any file with FILE-REPLAY... etc...

> "intuitive" but it is not the "T" button because that produces some kind
> of list for which I did not find a purpose yet either.

That's TRAFFIC. Lets you see everyone elses mail...

GOod luck. Its terrible going backwards from today's GUI's. But you can
do it all with one finger and without a mouse...

If you really want to see the power of APRS for DFING, do a FILE-LOAD
DF-OMNI. Then hit F9 key to zoom in. Then hit MAPS-PLOTS-DF-OMNI and see
how easy it is to find a hidden transmitter with only omni-signal reports
from anyone... Again, read DF.TXT for the explaination.

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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792. [aprssig] WinAPRS 2.4.8 extra line

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 20 Feb 2001 00:02:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136192-2001.02.20-00.19.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the extra line with the number below the icon in 2.4.8. I might
have missed some emails about it when I was out of town for a while.
The number appears on some mobiles but not all. I haven't seen it on
fixed stations.

And hey, I'm glad to see the overlay icons are all displaying right now!

Skip

K9SA

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793. [aprssig] Weather Station Support in APRS

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 20 Feb 2001 06:02:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136215-2001.02.20-06.17.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am pleased to announce that due to the very hard work of Brian, author of
Weather-Display, his program is now putting out the proper file format for
APRS programs to "read" and re-transmit. It has taken the better part of 10
days to solve two problems:

1. The file format.
2. Compatibility with my Peet U-2000.

They are both solid now and a beta version of APRS+SA that I am testing is
working perfectly with Brian's program. I have it running on a network and
it writes the file over the network to the machine that is running APRS+SA.
Brent's program is configured with a settings.ini file that tells itself
where to look for the file, what it's name is, and how often to transmit the
contents of the file. Brent has not released the version that reads this
file yet....we are still beta testing version GPS 199YKH.

The file contents generated by Weather-Display look like this:

Feb 19 2001 19:47
338/000g000t026r000p000b10175h90/fWD

This format corresponds to the basic information requested by Roger Barker,
and was taken directly from the APRS spec. I have confirmed that APRS+SA,
WinAPRS, the D7 and D700 all decode this information properly.

It is now possible for any APRS author to incorporate Roger's suggestion for
weather station support with very little coding AND this requires NO
INTERNAL weather station support in the APRS program whatsoever. All that is
needed is the ability to read a simple two line text file, format the
packets and send them out over the network.

Two weather station programs currently write this file, although vws has
some file format issues to fix.

Weather-Display, Brian Hamilton of New Zealand

http://www.weather-display.com/

Cost: approx 30 dollars. Credit card, via internet if desired.

Customer Support: Beyond Belief!

Program Updates: Very frequent (more than once per month, often per week)

Weather Stations Currently Supported:

ELV/Conrad WS2000/7000 series
La Crosse WS2010
WMR-900H
WM-918/WX-200
WMR-918 (Wireless)
WMR-968 (Wireless)
Davis WMII Full/Wireless (with data logger)
Davis WMII no rain gauge/humidity (with data logger)
Davis WISARD III (with data logger)
Davis GROW (with data logger)
Conrad
Peet Ultimeter 100-800 (with direct cable connection and data logging mode)
Ultimeter 2000 with daily high/low data at start (Beta test) (This is what
I'm using data logger mode)
Ultimeter 2000 (direct connecxtion with data logging mode) (This did NOT
work for me)
Ultimter data setup/rain gauge option setting
UWS 3000ws Ultra Sonic wx station
Maximum's Weather Max (data logger set to 9600 baud)

RAWS Input

(I can only verify the U2000 performance, as that is all I have tested it
with. The rest are wx stations listed in the setup.)

The one thing I am SURE of, is that Brian WILL make any wx station in the
list work, and could well support others if asked. He has been a prince.

Weather-Display version 6.99 works very well. It has a straightforward,
uncluttered display that makes good, yet restrained, use of color. It is not
as "fancy" as VWS, but costs about half what VWS does, and is MUCH lower in
terms of processing cycles consumed. My 266 Pentium II shows only 6 to 7
percent of processing time used by Brian's program. VWS, on the other hand,
consumes 30% or more.

Both are good programs with some amazing features. I have registered both of
them, but am running Weather-Display the vast majority of the time because
of its common sense layout and feature set, as well as its incredibly low
processor loading.
==========

Virtual Weather Station:

http://www.ambientsw.com/

Cost: $69.00, Intenet and Credit Card

Customer Support: Responses a few days by email. Not particularly valuable
information.

Program Updates: Relatively frequent, but spotty. Several in one month, two
months with none.

Very flashy, unusually customizable, a little pricey, a bit of a load on
processors, but not oppressive. Only Brian's extremely low loading with
Weather-Display make VWS look worse than it is. Features galore, reliable
operation. File format for APRS is not quite right yet. I am not working
with the author and I don't know who is, but he is to be commended for
trying to support APRS. One of you guys who is using VWS needs to help him
get it right.

Weather Station Support:
Davis Instruments Weather Monitor, Wizard and Wireless, Peet Bros. Ultimeter
2000, WeatherMax, Radio Shack WX-200, Oregon Scientific and Huger WM-918,
WMR-918 and WMR-968 (wireless)

(I have only tested it with the Peet U-2000)

==========

Now it's up to the APRS authors to incorporate Roger's brilliant idea.

Current Status:

UI-View   Should already support it, as it was Roger's fault this all
got started <grin>

APRS+SA   Beta tested, confirmed working perfectly, awaiting release by
Brent

WinAPRS   ??? (I hope the Bros Sproul pick up on this)

dosAPRS   ??? (I think Brian has a dos version...could have his arm
twisted?)

==========

Those of us running Windows 9x and perhaps higher can now have our wx cake
and eat aprs too. No longer do we have to give up a wx serial port in aprs
and a wx serial port for our data collection, graphing and analysis software
...each program does its own job and the only thing they share is the file.

73,

...hasan

hasan schiers, NØAN
schiers@netins.net

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794. [aprssig] PSK-31-FM: other potential advantages

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 20 Feb 2001 07:06:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136216-2001.02.20-06.21.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob's note about Emergency Communications (a basic tennant of the APRS
system, after all) got me thinking about other stuff (here it comes...
BEACONet) :o)

----- The down-side to baseband PSK-31 -----
A baseband PSK-31 signal reflected off a meteor trail and decodable at
distance? Probably not, due to doppler shift (significantly more than
31hz).

A baseband PSK-31 signal used to replace FM-based AX.25 in mobile
trackers (Rovers)? Probably not, due to the critical tuning component
of PSK-31. It doesn't seem well adapted to "plug-and-play-and-forget"
use.

----- However -----
Both of these things change by utilizing PSK-31 "audio protocol"
overlayed on an FM carrier. What is gained, though?

>From memory (I still can't find my October '00 QST...but I've not given
up), it appears that PSK-31 on an FM carrier will give a signal several
dB's of "decoding advantage" over a standard packet system.

Here's the rub:
-If-
* SSB has a 6-10dB advantage (anecdotal numbers, by the
  way, I don't know this to be a universally understood
  thing) over FM...
-and-
* PSK-31 audio on an FM carrier (PSK31-FM) appears to
  provide a 6-dB advantage over standard FM packet (again,
  mental gymnastics)
-then-
* I would say that PSK31-FM holds some significant potential
  for the APRS and BEACONet communities in that it begins to
  approach SSB in its efficiency while maintaining FM's plug-
  and-play-and-forget utility.

I'm kinda excited about this prospect. More mental gymnastics are on
the horizon...but this time its' about trying to figgure out how to
convince the family that "it's just one more little project". :o)

Ev, W2EV

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795. [aprssig] Re: PSK-31 Multiplexing and Emergency COMMS

From: "The Germino's" <mgermino@inreach.com>
Date: Tue, 20 Feb 2001 06:39:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136255-2001.02.20-09.01.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   Then anyone in an appartment could use an FM receiver and the DIGIPAN
>   software and tune in any of the 80m warblers. As many as 30 QSO's can
>   happen in that one channel (if they all are clean signals)...

  There is software that can watch two or three QSO's at the same time with
one receiver. That way you can tune in three QSO's and see which one
finishes first and jump in on the tail end of the QSO. PSK31 has the
ability to send pre-typed ".txt" files. So it would appear that while 30
two-way communications may not be available right now with the current
software, perhaps in a form 3 two-way communications may work right now.

Ideas are dangerous to some people because they change the world. I say
don't ask why, without first asking why not?

Some good ideas Bob. How they turn out will be interesting, such is the
road of life.

One more thing, guys (and Gals) don't get too hung up with the advantages
and disadvantages of PSK31. I have a great reason to try PSK31, its FUN!
(Oh! and cheap too HIHI)

Mike
AD6AA

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796. [aprssig] RE: E-mail reflector problems

From: Frank Ingle <73545.1210@compuserve.com>
Date: Tue, 20 Feb 2001 10:16:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS-SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-136259-2001.02.20-09.33.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan,

Frank said on Sunday, February 18, 2001 6:19 PM:
> Several have observed that we seem to have a new problem
> on the SIG. Some messages are getting delayed as much as 4
> hours!

Stan replied
>I am not convinced that the problem is with the server. While you and
other
>SIG subscribers saw some problems during the last few days, I did not see
>those same problems here in Connecticut except in one instance.

If you will do a careful review of the daily digests from the SIG, you
will see answers to questions appearing up to a dozen or so messages
before the original question is asked. Since I assume the digest is
identical no matter where you live, that would suggest the problem is
in (or before) the server, and not related to delivery delays across the
net after messages are broadcast by the server.

I'll see if I can find a specific example for you later today.

It is conceivable that the problem is being caused by delays in delivery
of messages TO the server, but that would suggest multiple points
of failure occuring simultaneously on the net. My money is on the
server, but either way, diagnosing the problem will have to start with
the SIG host.

If you can point to specific messages when you report the problem to
the SIG host, you will be more likely to get meaningful help.

Thanks for your help.

Frank Ingle

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797. [aprssig] CHEEP antennans

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Tue, 20 Feb 2001 09:38:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136278-2001.02.20-10.54.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just added some pages and images on a brainstorm I came up with to make
some cheep antennas for a doppler I am working on but what the heck a cheep

mag mount is a cheep mag mount ! Take a look and give me your feed back

www.rmaprs.org/n0zed   and go to the doppler pages

73s George

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798. [aprssig] Re: Serial Port Sharing on a Network?

From: "Bill Bird" <billbird@networkusa.net>
Date: Tue, 20 Feb 2001 11:10:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136280-2001.02.20-11.16.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich,

I use the remote control part of a commercial program called Laplink to utilize my WinAPRS from any one of my computers on my home network. This is not the set up you were asking about (ie network access to a single serial port) but it is fun and useful. The WinAPRS/tnc/Laplink is always on the same computer and I just start up Laplink from another computer to view the maps and send messages, etc. When done with the remote use I disconnect the remote Laplink connection. I also use Laplink for automatic network backups of files.

73,

Bill Bird
KG0YJ
Chesterfield, MO
kg0yj@arrl.net

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799. [aprssig] APRS Events Calendar

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 20 Feb 2001 11:44:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136284-2001.02.20-11.42.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We used to have a volunteer doing this once a week. Havent see one in a long time. ANy new volunteers to watch all postings on the sig and accumulate this for a re-post once a week?

bob
---------- Forwarded message ---------- !!! FROM LAST YEAR !!!!!!
From: Bob Bruninga <bruninga@NADN.NAVY.MIL>
Subject: [aprsnews] APRS Events Calendar

Here is a short summary of upcoming communication/tracking events. Please let us know of any events that others might find interesting even if local. We can still watch from afar via http://www.aprs.net

16 Jun AMSAT NET @ 2100 EDT on GE1, 5.7 MHz. APRS CheckIn w WD5DZC
16 Jun 3 days KC7NFZ hiking in Denali AK. WOrking AO27 and APRS via MIR
19 Jun Kids Day. 1400-1000 EDT. APRS everywhere; voice on 14270,28350.
19 Jun Saturday. PG County, MD Y2K Drill 1300-1600 EDT
20 Jun Sunday. SUNrayce Wash DC to Florida. APRS?
23 Jun Tuesday AMSAT NET @ 2100 EDT on GE1, 5.7 MHz. APRS Ck-In w WD5DZC
26 Jun FIELD DAY! TAPR TECHNOLOGY DAY! APRS, AO-27 Everywhere
27 Jun FIELD DAY! TAPR TECHNOLOGY DAY! APRS, AO-27 Everywhere
25 Jun to 5 Jul KK5YY AO27 and mobile APRS in Alaska
 2 Jul to 5 Jul Circus Train Baraboo to Milwaukee WI SSB on 40, 20, 15.
11 Jul 1800 UTC APRS talk in South Africa via Landline/ voice nets
20 Jul STS-93 SAREX with packet (APRS?)
21 Jul NASA Goddard ARC meeting on APRS Mic-Encoders and Mic-Lite.
?? Aug SIMSAT Launch. APRS Balloon in Wash DC area

de WB4APR, Bob

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---
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800. [aprssig] Re: PSK-31 Multiplexing and Emergency COMMS

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 08:27:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136230-2001.02.20-07.42.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>2) IDEA 2: Imagine a Disaster where you have a tent full of PC's
>   and LAPTOPS that need to communicate to the outside world.
>   SImply take their PC scoundcard speaker outputs all jumpered
>   together to the mic jack of an FM rig. Then that single
>   FM channel can carry as many as 30 channels of data out of the
>   area. (I would use some resistors to impedance match). Shucks,
>   so could an HF rig and it can do it 200 miles or more on a wire.
>

I'm with you up to here, but where are you going to get the HF duplexer cans?

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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801. [aprssig] Re: Serial Port Sharing on a Network?

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 20 Feb 2001 10:09:36 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136312-2001.02.20-12.24.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Bill Bird <billbird@networkusa.net> wrote:
>
> I use the remote control part of a commercial program called Laplink to
> utilize my WinAPRS from any one of my computers on my home network. >
>kg0yj@arrl.net

Also check out VNC..   Interplatform (X, Mac, Windows) and the price
is right.

  http://www.uk.research.att.com/vnc/

I use it to check APRSPLUS at home - from work.

We are also using it on a virtually headless Linux Server to run Xastir
to a virual display. Images from the virual display are captured and
access by the web.

Programs running under VNC can be accessed either from a special
VNCclient or web browser. Very neat.

It works better with reasonable network speed.   You'll have to be
patient to use a V90 modem connection.

Bill

_____
Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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802. [aprssig] Re: 2M/440 gating?

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 20 Feb 2001 10:16:37 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136325-2001.02.20-12.32.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Jamie Hutches <jmhutches@Harding.edu> wrote:

> We are exploring the possiblity of running the NWS stations on 440 and
> beaming it to our local WIDE digi up on a nearby mountain.
> Question.... Is This Possible!?!?

Very possible.

Simplest might be to use the 9612 to gate the 440 wx packets out to 2
meters. You'd have to watch that there aren't too many packets coming
on the 9600 baud side to add clutter to the MUCH slower 2 meter channel.

Digi_ned (on DOS or Linux) would also work with the 9612 to give you
complete control of the gating.

Bill

_____
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Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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803. [aprssig] Re: PSK31 clarifying question

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 20 Feb 2001 10:32:33 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136326-2001.02.20-12.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Bob Bruninga <bruninga@usna.edu> wrote:

> Because of the frequency tolerance requirements of PSK (you have to tune
> to better than 1 Hz), it will never work (as is) for LOTS of bursty users
> (APRS), but is ideal for QSO's.

Because we have the source for the software, we can do lots of magic.

You don't have to tune very close - the software locks on. This is going
to solve one of the problems preventing a crystal controlled cheap APRS
rig for 30 meters.   Put the transmitter close and the receiver can
tune +/- as required.

Since the software handles multiple conversations, and it scans, we can
make an APRS scanner task for one of the multiple channels. It would scan,
find a signal, see if it's a "posit", and then start scanning again. All done
in software. The scanner could be smart. Learn where folks are currently
chatting. If it's a conversation, ignore it. If it's callsign ID's, wait
for the end of the callsigns and look for the Posit/Other-stuff APRS
message.

We can pick one small segment of the PSK31 segments for sending pure posits.

How about centered on 1015.1 Hz?

Lots of potential here for some experimentation.

Bill

PS. Not forgetting that PSK31 is one of the worst schemes for "packeted"
info there is. Still its popularity, ease of use, open software and weak
signal aspects make it well worth looking at.

_____
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Get personalized email addresses from Yahoo! Mail - only $35
a year! http://personal.mail.yahoo.com/

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804. [aprssig] 3.39 Mhz

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 20 Feb 2001 09:50:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136269-2001.02.20-10.04.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the risk of starting another war, did anybody else hear that booming
signal on 3.39 MHz last night? (S-9+, here in Sioux Falls, SD) Maybe it'll
happen again tonight...   I wonder what they're really doing.   ;-)

73,

Mark
KC7BXS

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805. [aprssig] Re: 3.39 Mhz

From: WA8LMF1@aol.com
Date: Tue, 20 Feb 2001 15:15:37 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136339-2001.02.20-14.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/20/2001 7:55:02 AM Pacific Standard Time,
sparkfel@primenet.com writes:

> At the risk of starting another war, did anybody else hear that booming
> signal on 3.39 MHz last night? (S-9+, here in Sioux Falls, SD) Maybe
it'll
> happen again tonight...   I wonder what they're really doing.   ;-)
>
> 73,
>
> Mark
> KC7BXS

I was driving south down I-5 in California's central valley from Sacramento
to LA last night. At 10:30 PST it was running S-9 on my mobile FT-100 with
Yaesu's ATAS-100 autotune 7-450MHz screwdriver antenna that doesn't even
resonate below 7.1 MHz (The 80M band sounds almost totally dead on it because
of the non-resonance)

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806. [aprssig] APRS Help Needed in Bismarck, ND **RIGHT NOW**

From: Mike Musick <mcmusick@anet-stl.com>
Date: Tue, 20 Feb 2001 14:29:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-136341-2001.02.20-14.43.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a crap shoot, but we'll try anyway...

I just received word confirming a hot air balloon record attempt
which will be launched from Bismarck late this (Tuesday, 2/20)
afternoon. The pilot, Rich Lawhorn, KB0ZIO, is an APRS'er, and is
equipped with a tracker in the balloon and WinAPRS in the ground
support vehicle.

Problem is, we weren't able to completely debug his APRS setup in the
van before he left, and it's not hearing the GPS. Is there anybody in
the Bismarck, ND area who can break away to help with a WinAPRS setup
in the next three hours (i.e., before 1700 CST)?

Please respond directly and not through the SIG, as I won't receive
any SIG response until tomorrow!

Thanks!

   ...mike/N0QBF

PS - Expected flight track will be on a vector from Bismarck through
just north of Chicago, ending somewhere before reaching the East
Coast (we hope!). Exact call of the balloon is either KB0ZIO-3 or
KB0ZIO-10.

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807. [aprssig] Record ballon flight (manned) to launch today!

From: jlagreek <jlagreek@inlink.com>
Date: Tue, 20 Feb 2001 13:31:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136342-2001.02.20-14.44.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Siggers's

A manned record setting balloon flight is set to launch today (Feb 20)
between 4 & 7PM CST. The launch point is Bismarck, ND with a landing in
Ohio.

The pilot is Rich Lawhorn, KB0ZIO. Look for KBZ0ZIO-2 on 144.39. His chase
van is KB0ZIO-3. Rich is attempting to fly at least 900 to 1000 miles. He
is in an open basket Hot Air Balloon, named the Sprit of St. Louis. He
should be flying at 10,000 - 12,000 feet at speeds of 80 - 100mph. Yes,
those numbers are correct. His flight path should take him over the
Dakota's, Iowa, Chicago, Indiana and land somewhere in Ohio.

He will be monitoring 146.52, if you see him close to your location, try
and give him a call. His tracker should be outputting his battery voltage
as in the first telemetry position. Remember with a KPC3+ it outputs a
number between 0 and 255, with 0 = 0V and 255 = to 5v. The number being
outputted should be 1/10 of his battery voltage.

Please send any logs to me at N0OTM@ARRL.NET. We hope to have most of the
flight covered by I gates, but there will be some holes.

Rich is schedule to land sometime Wednesday late morning. He has about 15
hours of fuel on board.

Anyone living near the landing site, will be more than welcome to come out
and greet Rich. And help pack up the balloon.

Good Luck Rich!

73 de NOOTM
Joe LaGreek
ARES District Emergency Coordinator
District C, Missouri Section

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808. [aprssig] RE: CHEEP antennans

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Tue, 20 Feb 2001 13:29:01 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136352-2001.02.20-15.43.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: bounce-aprssig-17768@lists.tapr.org
[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of George
Kammerzell
Sent: Tuesday, February 20, 2001 8:38 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] CHEEP antennans

>I just added some pages and images on a brainstorm I came up with to make
>some cheep antennas for a doppler I am working on but what the heck a cheep
>mag mount is a cheep mag mount ! Take a look and give me your feed back

It'd be more expensive, but might work better, to replace all the plastic
with sweat copper fittings. It would greatly improve the shielding, and a
result, the pin-diode switching would probably be a lot more effective.
With some care, you can flatten a side of the tubing or cap to install a
single-hole-mount BNC socket (nut and all). If it's a Teflon variety BNC
socket, you can just drill the hole and solder the connector in place. That
would work for both sockets. It'd be even more important if you decided to
make one for 440 MHz.

The last one of these I saw made, the builder acquired a large enough piece
of sheet aluminum so that we could put the antenna mounts through the
aluminum to provide half wavelength spacing between antenna elements. We
used wire radials out from each corner to extend the ground plane for best
performance, otherwise we would have needed a sheet of aluminum about 78
inches square. Instead I believe he used a 48 inch square sheet. This all
got fastened to an inexpensive add-on automobile luggage rack, since it was
equipped with the straps and rubber supports needed to easily and quickly
install the antenna on the vehicle roof. Instead, you could use the
mag-mounts on to the roof of the car.

Hope you find these ideas of benefit.

73, Bob

Robert Donnell, KD7NM   (206) 542-7661
18828 Midvale Ave N   mailto:kd7nm@pugetsound.net
Shoreline, WA 98133
       Western Washington Amateur IP Address Coordinator

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809. [aprssig] Re: Fade Points?

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Tue, 20 Feb 2001 23:15:38 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136359-2001.02.20-16.32.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Bob,

Van: "Bob Bruninga" <bruninga@usna.edu>
> > I'm playing a bit with dosAPRS.. pressing... F5, created a "Fade
> > Point" with the name A1(DNN).... the next time I hit F5 it creates
> > A2(DNN)... etc.
>
> It is the Fade Circle Technique of DFing used by the Civil Air patrol. It
> lets a single operator with a single radio and omni antenna locate a
> transmitter. See DF.TXT. Here is how it works:

Okay thanks, I found the text and will read it. There is just too many text
to select where to start when there is a question like this. Its part of the
learing-curve, information overdose...

>[explanation removed to save bandwidth]
> smaller until you find the fox.   You did it with nothing but a radio...
> and APRS...!

Yes, great. Only the points are also transmitted so in a fox-hunt
competition you are helping your opponents. I guess it can be switched
off...

> No, the keys 2,8,4 and 6 which are the same as the arrow keys on the
> keypad allow you to hold the SHIFT key and use these WHITE key arrows to

I understand. When I wrote it I didn't have the PC with me so thats why I
have to make the comment from memory.

> Go to POSITIONS list, move cursor down, hit ENTER to select the station
> you want to track. Then hit T for TRACK. From then on, APRSdos will
> recenter the map on that station whenever a new posit comes in...

Okay, that's where is, I'll try it if I see a moving station. There is still
a lot of static traffic here in Europe. Only a few are driveing arround.

> Or hit OPS-REPLAY and you will see the cookie crumb trail of where
> everyone has been (last 100 points in memory). Or if you have done a
> FILE-SAVE, then you can replay any file with FILE-REPLAY... etc...

> > "intuitive" but it is not the "T" button because that produces some kind
> > of list for which I did not find a purpose yet either.
>
> That's TRAFFIC. Lets you see everyone elses mail...

Thats another "T", I'll need to run my PC for a longer time to seen anyone
mails. I'll try.

> GOod luck. Its terrible going backwards from today's GUI's. But you can
> do it all with one finger and without a mouse...

Well, as a matter of fact I'm not too fond of GUIs, they are rather
inefficent compared to command-line. When I need to do something I usually
shell out to DOS and use the command-line. And the same for the shell on
Linux. The problem is the multitude of new commands and keystrokes, but once
it is memorized it is a lot faster then any GUI. I just tried dosAPRS to
take the next step and have a look at APRStk, but it somehow got me "hooked"
and the attraction makes me keep comming back to this application. I use a
D7E with this since that is the only device that can talk to dosAPRS.

> If you really want to see the power of APRS for DFING, do a FILE-LOAD
> DF-OMNI. Then hit F9 key to zoom in. Then hit MAPS-PLOTS-DF-OMNI and see
> how easy it is to find a hidden transmitter with only omni-signal reports
> from anyone... Again, read DF.TXT for the explaination.

I tried it. After loading F9 takes me to somewhere in the middle of the
Atlantic ocean... I guess it takes my home-station into account when
calculating were to center... Anyway, I can navigate to it with no problem.
The circels I see have different grey shades (I have a monochrome
flatpannel display on my sub-notebook), I guess the lighter the circle the
stronger the signal. You don't have to explain it, I guess I can read all
about it in DF.TXT so I will do that first...

Still a lot to learn. Thanks for the usefull pointers.

Kind regards,

Henk.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

810. [aprssig] RE: 3.39 Mhz

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Tue, 20 Feb 2001 17:36:33 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136365-2001.02.20-16.51.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check this

    http://geocities.com/brojongazette/frontpage/bj0201.html

> -----Original Message-----
> From: Mark Fellhauer
> Sent: Tuesday, February 20, 2001 10:50 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] 3.39 Mhz
>
> At the risk of starting another war, did anybody else hear
> that booming signal on 3.39 MHz last night? (S-9+, here
> in Sioux Falls, SD) Maybe it'll happen again tonight...
  I wonder what they're really doing.   ;-)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

811. [aprssig] Re: PSK-31 Multiplexing and Emergency COMMS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 20 Feb 2001 17:37:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-136366-2001.02.20-16.59.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, NØZEU asked about the $45 PSK HF SSB transceiver:

> Hi Bob, Thanks for the info. Wondering where one would find the:
>
> A complete PSK-31 HF XCVR kit is only $45 and each one can handle 30
> simultaneous channels why fuss   with multiplexing? EVERYONE should
> have one... Its the perfect EMERGENCY radio! Every EOC should have
> one!

OOps, sorry, it is the feature article in this months QST...

de WB4APR@amsat.org, Bob

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812. [aprssig] RE: 3.39 Mhz

From: "Tim Hardy" <tgh@mallardnet.com>
Date: Tue, 20 Feb 2001 18:52:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136406-2001.02.20-18.06.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wouldn't be surprised if the signal is from HAARP. However, the article's
author lost a lot of its credibility in the following diatribe, especially
when he couldn't get basic, readily available facts straight. For instance,
there is no "under the control of the Air Force's Space Vehicles Command."
All space operations are under the control of Air Force Space Command. And
the rambling on about conspiracies and KAL flight 007....

Tim, KCØPA

----- Original Message -----
From: "Brian B. Riley" <brianbr@macconnect.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, February 20, 2001 5:36 PM
Subject: [aprssig] RE: 3.39 Mhz

> Check this
>

> http://geocities.com/brojongazette/frontpage/bj0201.html
>
> > -----Original Message-----
> > From: Mark Fellhauer
> > Sent: Tuesday, February 20, 2001 10:50 AM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] 3.39 Mhz
> >
> > At the risk of starting another war, did anybody else hear
> > that booming signal on 3.39 MHz last night? (S-9+, here
> > in Sioux Falls, SD) Maybe it'll happen again tonight...
> I wonder what they're really doing. ;-)
>
>
> ---
> You are currently subscribed to aprssig as: tgh@mallardnet.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

813. [aprssig] Re: Serial Port Sharing on a Network?

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 20 Feb 2001 16:25:07 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136415-2001.02.20-18.40.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> There is file sharing, LPT port sharing why not serial
> sharing.

One of these days we'll have it, with Microsofts VxD Virtual Devices and
some TCP/IP client-server technology. Applications like KipSS, AFilter
and APRSd are paving the way. It won't be hard - just another project...

Maybe somebody on the list knows of TCP to/from multiple serial port
widgets that already exist - at the right price..

Bill

_____
Do You Yahoo!?
Yahoo! Auctions - Buy the things you want at great prices! http://auctions.yahoo.com/

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

814. [aprssig] Re: Warhammer

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 20 Feb 2001 19:29:11 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136416-2001.02.20-18.44.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since no one responded, no one else's kids are into Warhammer, but by
adapting the game to APRS this weekend while visiting the Inlaws, my kids
are now experts at the placement, movement and editing of APRS objects...

I just ran a long zip cord between two old DOS laptops so they each had
their own view of the wargame and became proficient APRS operators.
Nothing like a game to make them dig in! They could choose their battles
anywhere. I tried to get them to zoom into Gettysburg or Fredricksburg
battlefields, but they preferred the middle of the ocean so they wouldnt
be distracted by roads...

I only added two features to APRS, one was a new "PHG" format so I could
send TWO ranges. One for the "movement distance" and the other for
"weapons range" for each piece. The other was a dice thrower to
generate an "on-air" dice-roll. All the other parameters were included in
the posit COMMENT field.

No, this is not for 144.39 or even on the air. Just a way to build
APRS proficiency in an interesting way to young kids... But talking about
it on the air with some locals, I was surprised that most APRS people do
not think of APRS as an OBJECT tactical display for anything other than
GPS equipped vehicles. This is really missing the point in regards to
using APRS at Headquarters for tracking and desiminating the
location of EVERYTHING during an "event"....

Bob

On Fri, 16 Feb 2001, Bob Bruninga wrote: any WARHAMMER experts on here?

> WIth my kids at HAM radio age, I am looking for ways to integrate HAM
> radio into their other interests. My son is into WARHAMMER, a modern day
> equivalent to toy soldiers, but it requires they get together with friends
> to "combat".   There is a complex set of dice driven moves, weapon ranges,
> and protection fields all handled in the scale of inches on whatever
> playing board they come up with...

> APRS would be perfect for linking together several players on an "APRS"
> battlefield. We could use a map scale where they play in "miles"
> instead of "inches"... The PHG circles could show their weapon ranges,
> etc...

> Each "piece" on the board has about 10 parameters associated with it.
> Easy to put into a POSIT comment field...   As each piece is added to the
> board and moved around, then everyone in the game sees the same
> battlefield..

> de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

815. [aprssig] Re: Serial Port Sharing on a Network?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 20 Feb 2001 18:49:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136419-2001.02.20-19.04.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:25 PM 2/20/01, Bill Vodall wrote:

>Maybe somebody on the list knows of TCP to/from multiple serial port
>widgets that already exist - at the right price..
>
>Bill

Many years ago Artisoft offered a product called "Port Share" which
reported to do this.   I think it is still on the market, but not sold by
Artisoft anymore.   Oh, and it's horrendously expensive and hard to get to
work.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

816. [aprssig] Re: Dreamcatcher has launched

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 21:11:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136439-2001.02.20-20.28.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:32 PM 2/20/01 +0000, Joe LaGreek wrote:
>The Spirt of St. Louis is flying again. The launch occured at 6:53pm CST in
>Bismarck ND. Be looking for Rich on voice,146.52 and APRS as KB0ZIO-2.

BTW, is he vertical or horizontal?

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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817. [aprssig] test

From: "Alton" <n5psp@n5psp.org>
Date: Tue, 20 Feb 2001 20:14:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136440-2001.02.20-20.32.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

seeing if my SMTP settings are hosed again or not

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818. [aprssig] Update on Dreamcatcher (Balloon Flight)

From: "Joe LaGreek" <jlagreek@inlink.com>
Date: Tue, 20 Feb 2001 16:25:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136360-2001.02.20-16.40.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Launch time is now about 0:00z (6pm cst). Launch Location is Bismark ND.
Project flight path: ND to north east corner of SD, southern Wis. Crossing
into north east corner of Iowa, south western/central MI or northern ILL.
Folks in Chicago! Rich should pass right over you! Then across the southern
part of Lake Michigan, into northern Ind. and on in to Ohio. The landing
could be anywhere from central Ohio to eastern OH, even as far as the
Pittsburg area.

Since this is a Balloon, it goes where the wind takes it. If you live in
these areas please keep and eye open for Rich. Again the call sign is
KB0ZIO, the tracker is -2. Rich will be monitoring 146.52 and secondary is
145.81 both simplex. Ham Radio will be Rich's primary means of
communications and tracking.

We are still looking for someone in Bismark ND to help with a setup problem
in the chase van. If you live near there or some where between Bismark and
Chicago and know WinAPRS we can use some help. The chase van will be
following the balloon as best it can.

73 de N0OTM
Joe LaGreek
N0OTM@arrl.net

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819. [aprssig] Unhandled Exceptions

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Tue, 20 Feb 2001 21:15:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136462-2001.02.20-21.30.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tonight, at 0310Z, when I started WinAprs 2.4.8 I received Unhandled
Exceptions so fast the error messages filled the screen in less than 15
seconds. I shut the program down and restarted with the same results.

Anyone else?

Brothers Sproul (or simply BS) WHERE ARE YOU!

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820. [aprssig] Re: Unhandled Exceptions

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 22:46:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136469-2001.02.20-22.05.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:15 PM 2/20/01 -0600, Dave Kaplan wrote:
>Tonight, at 0310Z, when I started WinAprs 2.4.8 I received Unhandled
>Exceptions so fast the error messages filled the screen in less than 15
>seconds. I shut the program down and restarted with the same results.

Same here, though I'm running an older version.
Net connection only.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

821. [aprssig] Thankyou

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Tue, 20 Feb 2001 19:03:43 -0900
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136477-2001.02.20-22.26.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thankyou to everyone who wrote back to my query about
software for dual-port TNC's. I am looking at the possibilites
to see what will meet the need here. I am primarily running
APRS but packet is alive and well here and we are using it
to provide data transfer in from remote locations and it worked
very well. Porting it from HF to VHF might give us another
option when we are having difficulty with the VHF system.

It is very gratifying to know that when we do have a question
or problem we can send in queries to this group and get such
wonderful response. Thankyou very much.

Linda <><

--
Linda AD4BL
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!

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822. [aprssig] alpha testers needed for new software

From: John Blowsky <kb2scs@optonline.net>
Date: Tue, 20 Feb 2001 19:32:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136417-2001.02.20-18.53.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All
       I am looking for some "alpha" testers for my new software.
       First of all this software has nothing to do with APRS.

So why am I using bandwidth on this sig?
I am doing this because in the past sending Internet Email via
Packet Radio have been discussed on this sig.

I call the Software RIE. RIE stands for Radio Internet Email.
RIE is a one way Packet Radio Internet Email Gateway.
RIE consists of two programs/stations.
One I call RECEIVE the other is called SEND.
The hardware for the RECEIVE station consists of
Computer capable of using Windows 95 or higher.
TNC
Transceiver
Full time or Dial up Internet connection.
The hardware for SEND is the same as RECEIVE without the
Internet connection.

The Idea is to set up the RECEIVE station then go out to the
"field" and set up the SEND station where ever the general public
can be found. For example setting up SEND at a special event station.
The general public would then be invited to send Internet Emails
via Amateur Packet Radio.

A "thinking outside of the box" use for RIE would be after a disaster
to send Health and Welfare Emails.
Yes the Internet inside the disaster area is down.
But outside the disaster area the Internet is up and running just
fine. All that is needed is for someone outside the disaster area
to set up a RECEIVE station.

So if there is anyone interested in helping me test RIE out
please send me a Email off line at kb2scs@arrl.net

Also if anyone would like to point out that NOS and the like
have been doing this for years. Please email me off line and
I will gladly discuss the fact that RIE does have some advantages
over those systems.

Thank you for the bandwidth and your time in reading this.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

823. [aprssig] Re: Update on Dreamcatcher (Balloon Flight)

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 20 Feb 2001 22:59:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136481-2001.02.20-23.15.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe LaGreek wrote:
>
> Launch time is now about 0:00z (6pm cst). Launch Location is Bismark ND.
> Project flight path: ND to north east corner of SD, southern Wis. Crossing
> into north east corner of Iowa, south western/central MI or northern ILL.

Any idea when it will pass through N. Illinois?

> Folks in Chicago! Rich should pass right over you! Then across the southern
> part of Lake Michigan, into northern Ind. and on in to Ohio. The landing
> could be anywhere from central Ohio to eastern OH, even as far as the
.
.
> Since this is a Balloon, it goes where the wind takes it. If you live in
> these areas please keep and eye open for Rich. Again the call sign is
> KB0ZIO, the tracker is -2. Rich will be monitoring 146.52 and secondary is
> 145.81 both simplex. Ham Radio will be Rich's primary means of
>

Running APRS on 144.39? or other freq?
Any beacon?

ATV?

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

824. [aprssig] Dreamcatcher Status - Landed

From: "Joe LaGreek" <n0otm@arrl.net>
Date: Tue, 20 Feb 2001 23:23:45
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136487-2001.02.20-23.38.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The balloon flight has ended, there were problems with tanks and the flight
did not proceed. The landing was near Zeeland ND. Rich never got close to
any Igate, so I don't think he made it to the network.

Thanks to all the folks who were watching for him. And to the Igates that
sprung up in ND and SD today. We think he will try again, just have to wait
for the right weather pattern.

73 de N0OTM

Joe

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

825. [aprssig] Dreamcatcher has launched

From: "Joe LaGreek" <n0otm@arrl.net>
Date: Tue, 20 Feb 2001 19:32:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136436-2001.02.20-19.46.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Spirt of St. Louis is flying again. The launch occured at 6:53pm CST in
Bismarck ND. Be looking for Rich on voice,146.52 and APRS as KB0ZIO-2.

73 de N0OTM

Joe

n0otm@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

826. [aprssig] RE: 3.39 Mhz

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Tue, 20 Feb 2001 21:23:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136509-2001.02.21-00.32.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:52 PM 2/20/01 -0500, Tim Hardy blasted the following out into the ether:
>I wouldn't be surprised if the signal is from HAARP. However, the article's
>author lost a lot of its credibility in the following diatribe, especially
>when he couldn't get basic, readily available facts straight. For instance,
>there is no "under the control of the Air Force's Space Vehicles Command."
>All space operations are under the control of Air Force Space Command. And
>the rambling on about conspiracies and KAL flight 007....

      Boy you can say that again!

      He mentions "Shootdown" by R.W. Johnson and how that book proves the
existence of Russian "Stealth Fighters" back in 1983, as well as the "fact"
that the US shot down KAL 007. Well, I own that book, and it has nothing
of the sort in it. In fact, the book has quite a few quotes from Soviet
officials explaining WHY they shot down the 747.

Just another site daydreaming. Like the old story about the SR-71
having to circle Okinawa 3 times just to slow down enough to land -- pure BS.

7 3
Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

827. [aprssig] Re: 3.39 Mhz

From: Brian Badger <Brian.Badger@wcom.com>
Date: Tue, 20 Feb 2001 14:15:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136353-2001.02.20-15.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Isn't that a HAARP frequency?

--
Brian KC0HIR
Mark Fellhauer wrote:

> At the risk of starting another war, did anybody else hear that booming
> signal on 3.39 MHz last night? (S-9+, here in Sioux Falls, SD) Maybe it'll
> happen again tonight...   I wonder what they're really doing.   ;-)
>
> 73,
>
> Mark
> KC7BXS
>
> ---
> You are currently subscribed to aprssig as: brian@badgerfamily.com
> To unsubscribe send a blank email to leave-aprssig-19664B@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Brian Badger, Worldcom NGSN Signaling Gateway Development   KCØHIR DM78nw
"Electriciby: the safe, affordable and environmentally friendly alternative
to electricity. Now with 20% more electrobs at the same low price."

828. [aprssig] Re: Dreamcatcher has launched

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 21:07:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136437-2001.02.20-20.24.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:32 PM 2/20/01 +0000, Joe LaGreek wrote:
>The Spirt of St. Louis is flying again. The launch occured at 6:53pm CST in
>Bismarck ND. Be looking for Rich on voice,146.52 and APRS as KB0ZIO-2.

I have a fellow on 6.52 looking to make a QSO. WA1MKE
Nothing showing up on APRS here yet, RF or internet.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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829. [aprssig] PM Map settings

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 22:08:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136455-2001.02.20-21.25.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have to ask..

In setting up my machine again, I've installed PM3.
WHERE is the drive letter set?

It's NOT in the docs. It's mentioned, but the text dosen't match the program.
--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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830. [aprssig] Re: PM Map settings

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 20 Feb 2001 22:29:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136468-2001.02.20-21.46.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:26 PM 2/20/01 -0600, Robbie Robertson wrote:
>Hi David,
>
>When you ask for PM Maps from the top bar, you get a bunch of boxes
>along the left edge of the screen, ok? The forth box up, I beleive is
>what you are looking for.. I am not near the machine that is running
>WinAPRS now, ;-)

Thanks. That was it! The secret options boxes.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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831. [aprssig] Re: E-mail reflector problems

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 21 Feb 2001 22:43:37 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136540-2001.02.21-05.58.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 18, 2001 at 09:14:06PM -0800, B Keyport wrote:
> Lyris is hopelessly broken. It's time to end the charade and go to
> something else, or we can forget about talking about APRS in a
> reasonable fashion.

For once I agree with you. Lyris is not good software.

There is an APRSSIG at eGroups (now Yahoo Groups). Feel free to use it.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

832. [aprssig] Re: PSK31 clarifying question

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 21 Feb 2001 22:48:00 +1100

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136542-2001.02.21-06.03.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Feb 19, 2001 at 02:40:07PM -0500, Sadowski, Allan wrote:
> I really love this idea of using grid squares.... compact and consistent
> format..
> Not sure why there is any need to repeat the info - given the FEC and error
> checking in PSK31 and many other digital modes...

PSK31 in BPSK mode has no FEC (nor any other error correction).
In QPSK mode it has FEC, but the extra bandwidth and SNR required
for the two extra phases outweigh the benefit of FEC, IIRC.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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833. [aprssig] Re: E-mail reflector problems

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 21 Feb 2001 13:05:28 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136553-2001.02.21-07.21.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR1643-136540-2001.02.21-05.58.28--roger#peaksys.co.uk@list
s.tapr.org>, Hamish Moffatt <hamish@cloud.net.au> writes
>On Sun, Feb 18, 2001 at 09:14:06PM -0800, B Keyport wrote:
>> Lyris is hopelessly broken. It's time to end the charade and go to
>> something else, or we can forget about talking about APRS in a
>> reasonable fashion.
>
>For once I agree with you. Lyris is not good software.
>
>There is an APRSSIG at eGroups (now Yahoo Groups). Feel free to use it.

I dislike having multiple lists for the same topic. It fragments the
discussion, and leads to repetition and cross-posting, etc.

However, from what I've seen over the past week or so, there is
definitely something wrong with Lyris, that cannot really be explained
by random mail delays.

(Also, from a purely personal point of view, I wish they'd turn off the
config option that generates a unique MID for every copy of an outgoing
message - as I've said before, it totally screws up email programs that
thread by the references rather than by title.)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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834. [aprssig] Re: Fade Points?

From: Alex <kg4ecv@earthlink.net>
Date: Wed, 21 Feb 2001 09:39:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Henk de Groot <henk.de.groot@hetnet.nl>
Message-ID: <LYR842-136573-2001.02.21-08.48.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

In defense of the GUI, the multitude of commands is one of the many
issues that a GUI tries to combat. Any well implemented GUI will still
allow you to use keystrokes to access almost all of the functionality in
a program, and often short cuts are defined to access certain
functionality even quicker. In fact most Windows programs do, including

UI-View. The Sproul brothers have not adopted this in WinAPRS for some
reason (except for some standard Windows functionality in the Windows
menu). So if one is willing to learn the keystrokes (as one also would
have to in a non-GUI/character cell environment) then one can somewhat
have the best of both worlds.

73s,
--Alex

Henk de Groot wrote:

> The problem is the multitude of new commands and keystrokes, but once
> it is memorized it is a lot faster then any GUI.
>
> Kind regards,
>
> Henk.

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835. [aprssig] Re: E-mail reflector problems

From: RogerKola@aol.com
Date: Wed, 21 Feb 2001 09:39:30 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136576-2001.02.21-08.54.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My Email has the DreamCatcher "Landing" 6 hours before it took off....check
the send time date stamps

Roger
WA1KAT

In a message dated 02/21/2001 6:47:58 AM Eastern Standard Time,
hamish@cloud.net.au writes:

<< Subj: [aprssig] Re: E-mail reflector problems
 Date: 02/21/2001 6:47:58 AM Eastern Standard Time
 From: hamish@cloud.net.au (Hamish Moffatt)
 Sender: bounce-aprssig-20483@lists.tapr.org
 To: aprssig@lists.tapr.org (TAPR APRS Special Interest Group)

 On Sun, Feb 18, 2001 at 09:14:06PM -0800, B Keyport wrote:
 > Lyris is hopelessly broken. It's time to end the charade and go to
 > something else, or we can forget about talking about APRS in a
 > reasonable fashion. >>

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836. [aprssig] RE: PSK-31 Multiplexing and Emergencies (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 21 Feb 2001 09:48:11 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136577-2001.02.21-09.03.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CORRECTION! I made an error in my newbee excitement about PSK-31 and the
WARBLER kit featured in QST. Brian Riley points out:

The Warblers only have 1KHz XMT bandwidth. They are centered on
3580-3581 - 100 Hz up or down and their output drops off drastically.
Now the receiver is good from about 3579.2 to 3581.7, it receives
somewhat diminished outside of that limit up or down about another 400
Hz.

Which is of course correct. THe passband is even printed in the article.
I was actually talking about the full 3 KHz bandwidth I was seeing on my
normal HF rig (I am still waiting for my WARBLER kit to arrive)...

> -----Original Message-----
> Sent: Monday, February 19, 2001 20:44 PM

> To: TAPR APRS Special Interest Group
> Subject: [aprssig] PSK-31 Multiplexing and Emergencies

> Here are 3 thoughts about PSK-31 which you might find to be from
> a totally new perspective. MULTIPLEXING and EMERGENCY SERVICES.
> First are two answers (the only ones I can think of) about
> using VHF FM.
> THen it goes into the tremendous emergency capabilities of PSK-31.

> 1) Since all of the WARBLER activity on 80m sits in a single 3 KHz
>   bandwidth, then someone could install a Warbler receiver at an
>   excellent 80m location hooked to a tiny FM xmtr and transmit the
>   entire 80m PSK-31 band locally over a single FM channel....

> 2) IDEA 2: Imagine a Disaster where you have a tent full of PC's
>   and LAPTOPS that need to communicate to the outside world.
>   SImply take their PC scoundcard speaker outputs all jumpered
>   together to the mic jack of an FM rig. Then that single
>   FM channel can carry as many as 30 channels of data out....

> Which points out that... why bother? A complete PSK-31 HF
> XCVR kit is only $45 and each one can handle 30 simultaneous channels
> why fuss with multiplexing? ....

> It is the IDEAL Disaster communications tool. ONE such $45 XCVR and a
> long wire, can bring in 30 Channels of data into the EOC if you have
> enough PC's to listen to all of it! A second $45 XMTR can take then
> all of the PC outputs to a single 30 channel OUTBOUND XMTR!

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837. [aprssig] Re: GUI Was: Fade Points?

From: Alex <kg4ecv@earthlink.net>
Date: Wed, 21 Feb 2001 10:03:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Henk de Groot <henk.de.groot@hetnet.nl>
Message-ID: <LYR842-136580-2001.02.21-09.14.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let me clarify myself here. I know WinAPRS has a lot short cuts or
hotkeys, or whatever you want to call it, to access a lot of its
functionality. What I was aiming at are the keystrokes you could use to
acces items in the menus like ALT-A,L to load a map in UI-View vs.
ALT-M,NotingDefined in WinAPRS.

73,
--Alex

Alex wrote:
>
> Hi there,
>
> In defense of the GUI, the multitude of commands is one of the many
> issues that a GUI tries to combat. Any well implemented GUI will still
> allow you to use keystrokes to access almost all of the functionality in
> a program, and often short cuts are defined to access certain
> functionality even quicker. In fact most Windows programs do, including
> UI-View. The Sproul brothers have not adopted this in WinAPRS for some
> reason (except for some standard Windows functionality in the Windows
> menu). So if one is willing to learn the keystrokes (as one also would
> have to in a non-GUI/character cell environment) then one can somewhat
> have the best of both worlds.
>
> 73s,
> --Alex

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838. [aprssig] PSK31 on FM, and all that...

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 21 Feb 2001 15:07:13 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136582-2001.02.21-09.24.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm currently transmitting an APRS-compatible beacon on 29.230 NBFM
using PSK31. It's being sent once a minute, with a status text every 5
minutes, and CW id every 29 minutes. The PSK31 audio centre frequency is
1400Hz.

I know that in the USA you probably can't tx there, but if anyone cares
to listen, I'd be interested in reception reports. I'm also listening on
the same frequency, searching around an audio centre frequency of
1400Hz.

If 29.230 is particularly bad, I can move frequency, but the rig I'm
using is channelised, so, unless I blow an EPROM, I'm limited to 10kHz
steps between 29.200 and 29.300.

As an initial test, I'll leave it on until about 1800 GMT today.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

839. [aprssig] Query about APRS in Rockets

From: Alex <kg4ecv@earthlink.net>
Date: Wed, 21 Feb 2001 11:56:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136596-2001.02.21-11.06.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello there,

Does anyone know of any sites (or other resources) that describe the
application of APRS in model rockets? I'm toying with the idea of
setting up such a project in our area and I was wondering if someone
could point me in the right direction.

Thanks and 73,
--Alex

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840. [aprssig] Re: PSK31 on FM, and all that...

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 21 Feb 2001 12:12:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136601-2001.02.21-11.28.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 21 Feb 2001, Roger Barker wrote:

> I'm currently transmitting an APRS-compatible beacon on 29.230 NBFM
> using PSK31.

I went to listen and then realized that you said it is NBFM. This doesnt
make sense, since that obviates all the advantages of the weak signal
advantages of PSK-31. By placing it on a FM carrier, you have given up
probably 20 dB or more of performance... Or did I miss something...?

Great that you are on the air! Can't wait to see how this pans out..

de WB4APR

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841. [aprssig] Re: [htaprs] GPS sentences

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Wed, 21 Feb 2001 12:02:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136612-2001.02.21-12.18.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert,
I have a Kenwood TH-D7A(g) unit. I have used the GPRMC string with no
problems. I think that I have also had GPRMC/GPGGA strings with no problem,
but would need to test again to verify.

Best wishes,
Scott
KD5MHM

----- Original Message -----
From: "Robert Hull" <rhull@NMSU.Edu>
To: "TAPR Hot Technology APRS" <htaprs@lists.tapr.org>
Sent: Tuesday, February 20, 2001 2:30 AM
Subject: [htaprs] GPS sentences

> I have looked in the APRS Protocol Reference V 1.0.1 and the book "APRS
> Tracks Maps and Mobiles" but haven't found which GPS (NMEA 0183 V2)
> sentences are used in APRS. I'm talking about the Mic-E format as used
> in the Kenwoods...
>
> I understand a GPS unit is not required to use APRS, but if one was
> connected, and it was putting out several NMEA sentences, which ones are
> decoded into APRS position and velocity data?
>
> I would expect that the following sentences are included:
>
> $GPGGA Global Positioning System Fix Data
> $GPRMC Recommended Minimum Specific GPS/Transit data
>
> Are others recognized, used, or required?
>
> Thanks for any input, or where I should have found this info without
> bothering everybody (or isn't that what this group is for ??).
>
> Robert Hull
> KD5KKM
>
> ---
> You are currently subscribed to htaprs as: kd5mhm@kd5mhm.org
> To unsubscribe send a blank email to leave-htaprs-22266L@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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842. [aprssig] Re: PSK31 on FM, and all that...

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 21 Feb 2001 18:06:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136613-2001.02.21-12.22.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <Pine.GSO.4.05L.10102211210090.6351-100000@arctic>, Bob
Bruninga <bruninga@usna.edu> writes
>On Wed, 21 Feb 2001, Roger Barker wrote:
>
>> I'm currently transmitting an APRS-compatible beacon on 29.230 NBFM
>> using PSK31.
>
>I went to listen and then realized that you said it is NBFM. This doesnt
>make sense, since that obviates all the advantages of the weak signal

>advantages of PSK-31. By placing it on a FM carrier, you have given up
>probably 20 dB or more of performance... Or did I miss something...?

The "discussion" that has been going on in this list about PSK31 on FM?

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.packetradio.org.uk
For WinPack go to - http://www.peaksys.co.uk

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843. [aprssig] Re: GPS 35 version differences?

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 21 Feb 2001 11:12:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136615-2001.02.21-12.25.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org> writes:

>> * GPS35-LVC ...
>> Asynchronous serial data interfaces via 2 serial ports with CMOS voltage
>> level outputs, RS-232 polarity.*
[snip of additional info from Garmin]
>I interpret this one to mean that the input signal can be the typical 0-5vdc
>TTL/CMOS levels.

This is where I'm in *way* over my head. I've never mastered the art of
extrapolating input specs from a partial listing of output specs. I also
don't know how to compute the safe extreme input voltages if all I know are
the logic thresholds. I usually need to resort to reading the manufacturer's
data sheets.

>> *All serial inputs on all versions are compatible with either true RS-232
>>or TTL/CMOS voltage levels.
>
>I think that the key word in the first sentence, "either", is most
>important. I think that it means "not both".

You are free to make that interpretation. However, another point of reference
we could use is what actually works when devices are actually connected.
Let's take my Garmin 12XL as a case in point.

It's serial output swings between 0V and +6V. This makes it rather similar to
the output level spec of the 35-LVC as stated by Garmin above. With about a
half dozen PCs of various vintages and design types (both desktop and laptop
designs) I have logged a few thousand hours of interfacing with flawless
performance on both directions of data flow. Not a bit appears to have been
lost, and nothing has been damaged. I have not yet connected my 12XL to a PC
that failed to communicate with it in both directions, or to one that damaged
it.

I would therefore tend to interpret the Garmin statement as "it works with
both, in most cases". There might indeed be a PC out there that a 12XL will
not communicate with, and if so it will probably be very old.

>I don't translate it to mean that all units are RS-232 compatible
>nor that CMOS units are RS-232 compatible.

Again, you're free to understand the words of the document any way you wish.
Since my experience includes cases where there is proven compatibility, my
understanding is therefore free to differ from yours.

>If you desire to run off of lower power supply systems, such as batteries or
>6vdc power, then the low voltage unit might be the best choice. This might
>also be a good choice if longer battery life needs to be considered.

One area where Garmin does provide an adequate electrical spec is in the area
of power consumption.

>If you desire to run off of various higher voltage systems, such as a car
>battery (typically 13+ vdc) then the HVS unit is not a bad choice - if you
>don't mind soldering on all your connectors. I chose this route.

Me too, I use the 'HVS in my tracker. A long time ago I had a Magellan GPS

that one desktop PC I had access to wouldn't communicate with. I believe that it's output swing was 0/+5V. So even though I've consistently had perfect results interfacing my 0/+6V 12XL to PCs, I suspected it wasn't 100% guaranteed. Thus the true-RS232 HVS version seemed to give me a marginally better compatibility than the TTL/CMOS LVS version might.

>If you want exact specs on TTL, CMOS and RS-232 voltages, currents,
>rise/fall times, please send me an email 'off-sig' and I'll send you more
>info.

Sure, send at will. One of my own favorite spec sheets is http://pdfserv.maxim-ic.com/arpdf/1798.pdf in which both TTL/CMOS and RS-232 specs can be found all in one document. Among the data presented there are:

RS-232 receiver operating range: +/- 30 VDC
RS-232 receiver Input Threshold Low: +0.8V min, +1.3V typical
RS-232 receiver Input Threshold High: +1.8V typical, +2.4V max

I interpret that to mean that it can successfully receive true RS-232 and inverted TTL and inverted CMOS voltage levels. As a matter of fact, the MAX232 in my HamHUD-II does equally well with my 12XL and my 35-HVS. Maxim sells quite a few of these chips, so there are probably quite a few true-RS232 receivers out in the world that are truly compatible with the output levels of the 35-LVS.

Cheers and 73,
Tony KD7TA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

844. [aprssig] Re: Serial Port Sharing on a Network?

From: B Keyport <bkeyport@qwest.net>
Date: Wed, 21 Feb 2001 10:29:35 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-136619-2001.02.21-12.49.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> There is file sharing, LPT port sharing why not serial
>> sharing.
>
>One of these days we'll have it, with Microsofts VxD Virtual Devices and
>some TCP/IP client-server technology.

We've had it several times in the past, actually. no Microsoft "Innovation" included.

Novell and others have done it on and off for years.

The difference is, that Microsoft heads don't reconize it.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

845. [aprssig] Packet and the HTX-252

From: "Robert M. Butts" <buttsrob@siouxvalley.net>
Date: Wed, 21 Feb 2001 12:44:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136624-2001.02.21-12.59.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone had any luck with the NEW RadioShack 2m Mobile (HTX-252) on packet?

I've tried it with a TNC and with a sound card (running WINAPRS + AGW) and I have problems decoding packets...

I know that previous RadioShack rigs (HTX-202, etc) are much maligned in the packet (and amateur - in general) world but there are TONS of folks

using them successfully. Is this more of the same?

Any ideas or helpful suggestions are welcome.

Because this rig is cheap, small and available it would make a great APRS
tracker component.

Thanks in advance.

Bob Butts, Colton, SD
KB5YQH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

846. [aprssig] Re: Serial Port Sharing on a Network?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 21 Feb 2001 14:11:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136637-2001.02.21-13.27.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, as long as this is going on...

Tandy had it for their ARCNet scheme called ViaNet.

In fact, that's what got me in hot water at one point.

I had an analog phone line. I also had modems to test. Turned out
one guy used to come in early, like 6am or earlier, and turn on my
Tandy 2000 machine. Then connect to the modem using the
ViaNet software and dial arround to various BBS systems.

Showed up on 'my' bill...

This was back around 1984 or so.

And... When I worked for InterLan, we had 'boxes' on the net.
They were ethernet boxes that had nothing but a bunch (8 I
think) serial ports on them that you 'connected to'.

Mike

There is file sharing, LPT port sharing why not serial
sharing.
##
One of these days we'll have it, with Microsofts VxD Virtual Devices
and some TCP/IP client-server technology.
#
We've had it several times in the past, actually. no Microsoft
"Innovation" included.
#
Novell and others have done it on and off for years.
#
The difference is, that Microsoft heads don't reconize it.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

847. [aprssig] Re: E-mail reflector problems

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Thu, 22 Feb 2001 08:10:50 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136679-2001.02.21-15.25.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Feb 21, 2001 at 08:54:24AM -0600, Horzepa, Stan wrote:
> Part of the problem is related to the fact that there are over 1300
> subscribers to this SIG with 50-100 messages posted each day (you do the
> math).
>
> So, I encourage anyone who is disastisfied with the operation here to cancel
> their subscriptions (refunds will be cheerily provided) and take your

> business elsewhere. This will help aleviate the SIG problems in more than
> one way.

To be fair, I can't complain about the delivery times. I compared the
date stamp on a few messages with the delivery time to my mail server
(looking at the Received lines in the headers) and found that most
were delivered with 10 minutes.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

848. [aprssig] Re: E-mail reflector problems

From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
Date: Wed, 21 Feb 2001 11:14:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136602-2001.02.21-11.29.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan,
Thanks for your post to the APRS Sig List.

When I first joined the list (I've kept every message) this unusual problem
of replies arriving before the original message arrived simply didn't exist.
This unique situation has been occuring for little over a week as far as I
recall, without in-depth review. I, and perhaps others, might be able to
collect specific examples of "replies-before-the-original" message
situations for further analysis.

I've run some lists for years and years, with comparable user list sizes,
and I've just never seen this anomoly before, it seems quite unique.

Whenever my computer clients start reporting things awry, I ask them what
did they change/add/delete to their system. Invariably it turns out to be
an update, new program, patch or something like this that has introduced a
new problem. There are 'allegedly' some list virii that try to scramble up
list operation - although I couldn't find the particular references (it was
years ago I read this).

Lists are supposed to work as FIFO structures, but now our little list seems
to be behaving more like a GIGO structure. Clearly, something has changed
recently. I'm sure that the list didn't double in user sign-ups in as
little as a week...

I disagree that those that expound the 'list is bad' concept, it was working
fine before (indicated by my own file records). I disagree with 'join
another list' because this is a very good one. Besides, that is just what a
virus would want me to do (if there were such). I disagree with your
solution of "So, I encourage anyone who is disastisfied with the operation
here to cancel their subscriptions (refunds will be cheerily provided) and
take your business elsewhere. This will help aleviate the SIG problems in
more than one way." because if there is a bonafide problem with the list
this tactic won't get it fixed - period. Truly, your response is the worst
suggestion yet.

Like experimenting in Ham Radio, an intelligent set of tests and experiments
should be devised, data gathered from users in an effective way and then
these results analyzed. If we can prove to the list hosting service that
there is a ligitimate problem then perhaps they'll look into it. If not,
almost any software author/company of the list program would be interested
in this information and perhaps look into it deeper.

This list has many intelligent people willing to assist in resolving many
types of problems, perhaps we shouldn't ignore that fact. Those that gripe
about the list should consider using their brains to help resolve the
problem rather than just sit there and gripe. They might ask themselves if
griping will fix anything or will submitting a useful recommendation would
do better.

The list admin should seriously consider that these folks are griping
(perhaps unkindly) about a very real problem that is not their fault.
Instead of insulting everyone on the list and telling them "too bad, I'm not
going to do anything about it", they should get off their chair and look

into it. If they are not that technical then they should ask for help with the problem and testing and fixing. Worst that would happen would be that no one helps, they only gripe.

My suggestion would be to find a specific message (thread) that has a reply before the original message from a single user or two (off sig) and see what the time stamps for that thread are for the user who posted a reply and the user who got them in reverse order and try to sort out a little of the timing issue.

As for this part of your post, "Part of the problem is related to the fact that there are over 1300 subscribers to this SIG with 50-100 messages posted each day (you do the math)", I have never, ever heard of this occurring on any of the lists I subscribe to - which are many - and my crew of five also subscribes to other lists as well as I. I sent email to various contacts from coast to coast and none of those list admins has ever heard nor seen what we are experiencing. One of them now gets copies of my list messages because her curiosity was killing her. She expressed genuine amazement at our problem and wished us good luck in resolving it.

Since no list admin I can find, nor I, have ever seen anything like this, I'm not sure what to suggest. Clearly, "Ostrich Syndrome" - poke our head in the sand and hope it goes away - is not working. Please consider the "Scientific Method" approach instead.

The list's strange problem is posing a real problem for me, causing me to be unsure if I should post or not. If this is the desired action of the list, then perhaps it is doing its job well...

I like this list. I want to stay subscribed. I'm a paid-up TAPR member. I try to do a good careful job posting suitable content. Why am I being punished for trying to behave properly, trying to be a good participant? Why should I not be able to return to the "good, old days" when the list was working correctly?

Scott
KD5MHM

Scott D. Johnson, CDP, CSP, CCP
CEO of West Texas Computer Consulting Services, Inc.
Midland, Texas

----- Original Message -----
From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 21, 2001 8:54 AM
Subject: [aprssig] Re: E-mail reflector problems

> Part of the problem is related to the fact that there are over 1300
> subscribers to this SIG with 50-100 messages posted each day (you do the
> math).
>
> So, I encourage anyone who is disastisfied with the operation here to
cancel
> their subscriptions (refunds will be cheerily provided) and take your
> business elsewhere. This will help aleviate the SIG problems in more than
> one way.
>
> Stan, WA1LOU, SIG administrator
>
>
> > -----Original Message-----
> > From: Hamish Moffatt [mailto:hamish@cloud.net.au]
> > Sent: Wednesday, February 21, 2001 6:44 AM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] Re: E-mail reflector problems
> >
> >
> > On Sun, Feb 18, 2001 at 09:14:06PM -0800, B Keyport wrote:
> > > > Lyris is hopelessly broken. It's time to end the charade and go to
> > > > something else, or we can forget about talking about APRS in a
> > > reasonable fashion.
> > >
> > For once I agree with you. Lyris is not good software.
> >
> > There is an APRSSIG at eGroups (now Yahoo Groups). Feel free
> > to use it.

> >
> > Hamish
> >
>
> ---
> You are currently subscribed to aprssig as: kd5mhm@kd5mhm.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

849. [aprssig] Re: PSK31 on FM, and all that...

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 21 Feb 2001 16:46:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136685-2001.02.21-16.01.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 21 Feb 2001, Roger Barker wrote:

> >I went to listen and then realized that you said it is NBFM. This doesnt
> >make sense, since that obviates all the advantages of the weak signal
> >advantages of PSK-31. By placing it on a FM carrier, you have given up
> >probably 20 dB or more of performance... Or did I miss something...?
>
> The "discussion" that has been going on in this list about PSK31 on FM?

Oh. I have ignored that discussion because PSK-31 on FM can only gain
maybe a dB or so at the edge of weak signals compared to its
enviable potential for over 30 dB advantage on an all mode rig...

Thanks for the signal... I listend for a while, but never heard anything,
but I dont have FM rig over here on this side of the pond..

Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

850. [aprssig] Re: E-mail reflector problems

From: Ray Vaughan <ray@rayvaughan.com>
Date: Wed, 21 Feb 2001 16:59:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136688-2001.02.21-16.15.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:14 AM 2/21/01 -0600, you wrote:
>Stan,
>
>Lists are supposed to work as FIFO structures, but now our little list seems
>to be behaving more like a GIGO structure. Clearly, something has changed
>recently. I'm sure that the list didn't double in user sign-ups in as
>little as a week...

There's more between the sender and you than the list server. There are all sorts of mail servers along the way, all suffering from various degrees of overload. Add a popular mail virus and things go from bad to worse. And there's nothing to say two similar e-mails will even take the same path from the sender to you. Even within the same server, different processing threads could have different delays.

I get out of order mail from this list and the yahoo groups all the time. Even direct e-mails sometimes show up in the wrong order. It could be any one of my ISP mail servers. One time, they sent me about 20 e-mails that had been held in one of their mail servers for 34 days. And we're talking about BellSouth.net, not a tiny ISP.

So, just like our packet networks, lag can occur anywhere. e-mail was never intended to be a live, or even near-live medium.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

851. [aprssig] Re: PSK31 on FM, and all that...

From: Jeff King <jeff@aerodata.net>
Date: Wed, 21 Feb 2001 17:04:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136689-2001.02.21-16.20.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> This makes one's 10 W VHF SSB transmnitter running PSK-31 equivalent to a
> 10 KW VHF FM station. Now that is worth doing... hi hi...
> But the end of the earth is only tens of miles away on VHF, so why
> bother...

Don't forget about tropo scatter, which becomes a very real and very
reliable method of communictions on VHF at those system gains.

Wonder if the warbler would scale up to 6 meters?

-Jeff

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

852. [aprssig] Re: E-mail reflector problems

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Wed, 21 Feb 2001 08:54:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136578-2001.02.21-09.12.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Part of the problem is related to the fact that there are over 1300
subscribers to this SIG with 50-100 messages posted each day (you do the
math).

So, I encourage anyone who is disastisfied with the operation here to cancel
their subscriptions (refunds will be cheerily provided) and take your
business elsewhere. This will help aleviate the SIG problems in more than
one way.

Stan, WA1LOU, SIG administrator

> -----Original Message-----
> From: Hamish Moffatt [mailto:hamish@cloud.net.au]
> Sent: Wednesday, February 21, 2001 6:44 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: E-mail reflector problems
>
>
> On Sun, Feb 18, 2001 at 09:14:06PM -0800, B Keyport wrote:
> > Lyris is hopelessly broken. It's time to end the charade and go to
> > something else, or we can forget about talking about APRS in a
> > reasonable fashion.
>
> For once I agree with you. Lyris is not good software.
>
> There is an APRSSIG at eGroups (now Yahoo Groups). Feel free
> to use it.
>
> Hamish
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

853. [aprssig] Re: E-mail reflector problems

From: B Keyport <bkeyport@qwest.net>
Date: Wed, 21 Feb 2001 10:38:02 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-136633-2001.02.21-13.22.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>For once I agree with you. Lyris is not good software.
>
>There is an APRSSIG at eGroups (now Yahoo Groups). Feel free to use it.

Talk about jumping from the frying pan right into the fire.. My legal
issues with eGroups abruptly ended by Yahoo's takeover.

eGroups violated my privacy several times, refused to take me off
their lists, and otherwise continued to harrass my systems.

DO NOT USE eGroups/Yahoo anything if you value your privacy!

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

854. [aprssig] Re: Serial Port Sharing on a Network?

From: "Robert M. Butts" <buttsrob@siouxvalley.net>
Date: Wed, 21 Feb 2001 13:1:33
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136631-2001.02.21-13.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich,

We have similar problems..
Have you tried the AGW packet Engine? You can download it free from here:

http://www.elcom.gr/sv2agw/general.htm

TCP/IP use requires a small ($30) registration fee.
Anyway, it allows you to set up your TNC as a "Dial-up Networking
Adapter".
You can then share this connection (with WIN98 or newer) and access it via
TelNet, FTP or your Web Browser. It even comes with an HTML terminal.

Warning! These are only the CLAIMED features. I have the registered
program but have not completely installed it yet. (Let me know how you did
it when you get yours running - hi) Honestly haven't had the time to fully
"play" with it. It does look VERY promising and SV2AGW is VERY responsive
to emails for support.

Check out SV2AGW's page on "Packet Internet Gateways". Very informative.

73!

de Bob / KB5YQH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

855. [aprssig] Re: More on map datums

From: "Robert M. Butts" <buttsrob@siouxvalley.net>
Date: Wed, 21 Feb 2001 13:22:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136640-2001.02.21-13.37.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jack,

You are spot-on on the "datum conversion problem". Most of the time it's
probably inconsequential but....when it REALLY matters....it could kill
you.

The Army has struggled with this problem for several years (mostly because
of GPS). We now have to print "WGS-84" in light red all over the face of
the map sheet.

My real fear is, when using APRS for REAL purposes, (ARES, Disaster

Support, I dare say..MARS, etc) datum incompatability COULD catch up with
someone.   Bottom line: KNOW THY DATUM!

MAJ Bob Butts (Genuine Army Topographer)
KB5YQH
AAR9TZ (Army MARS)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

856. [aprssig] Re: E-mail reflector problems

From: "ScottM" <smorris@mindspring.com>
Date: Wed, 21 Feb 2001 19:11:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-136710-2001.02.21-18.26.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is only one SIG, does not include htaprs, netsig, linux, pic-e, mic-e,
etc.

Scott
----- Original Message -----
From: "B Keyport" <bkeyport@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Wednesday, February 21, 2001 1:44 PM
Subject: [aprssig] Re: E-mail reflector problems

> >Part of the problem is related to the fact that there are over 1300
> >subscribers to this SIG with 50-100 messages posted each day (you do the
> >math).
>
> 1300 subscribers to this sig * 50-100 messages = 65,000 - 130,000
> messages sent out a day. Not including the other sigs, light load for
> any decent mailing list package.
>
>
> ---
> You are currently subscribed to aprssig as: smorris@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

857. [aprssig] Re: E-mail reflector problems

From: B Keyport <bkeyport@qwest.net>
Date: Wed, 21 Feb 2001 16:33:13 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-136713-2001.02.21-18.48.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>There's more between the sender and you than the list server.
>There are all sorts of mail servers along the way, all suffering
>from various degrees of overload.   Add a popular mail virus and
>things go from bad to worse.   And there's nothing to say two
>similar e-mails will even take the same path from the sender to you.
>Even within the same server, different processing threads could have
>different delays.

My path:

TAPR -> USWest/Qwest -> Me.

One server in the middle.. This server processes the mail to me as
soon as it gets it, according to the mail headers.

Therefore, there's only one problem. TAPR/Lyris.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

858. [aprssig] Re: PSK31 on FM, and all that...

From: Jeff King <jeff@aerodata.net>
Date: Wed, 21 Feb 2001 15:28:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136647-2001.02.21-14.44.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> I went to listen and then realized that you said it is NBFM. This doesnt
> make sense, since that obviates all the advantages of the weak signal
> advantages of PSK-31.

This is the second time this week I had a strange feeling of Deja Vue. Must
be the alignment of the moon or something...   ;-)

-Jeff

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

859. [aprssig] Possible WinAPRS 2.4.8 bug with active objects

From: "Michael Francoeur" <n1naf@mint.net>
Date: Wed, 21 Feb 2001 20:55:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136725-2001.02.21-20.08.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody else having problems creating active objects in WinAPRS 2.4.8?

- Mike/N1NAF

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860. [aprssig] Re: PSK31 on FM, and all that...

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 21 Feb 2001 16:54:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136686-2001.02.21-16.09.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The "discussion" that has been going on in this list about PSK31 on FM?

I have stayed out of the discussion because it was a flame war. But now
that I am into it, I may as well post my understanding of PSK-31's
great advantages. (and why it adds so little value to FM)

1) PSK-31 on FM is of little practical value because of the FM threshold
effect. If the FM is above threshold, then run 1200 or 9600 baud. If it
is below threshold, NOTHING on FM will work. Of course there is always
a few dB advantage of PSK over FSK and this could be a benefit just above
the threshold, but not much... The FM threshold effect is very steep and
occurs over only a few dB... Fine if you only need one more dB... but
hardly worth it all the rest of the time when there is so much else to be
gained by using PSK-31 on a linear mode.

2) Putting it on HF FM is even worse due to selective fading which
causes phase distortion over all the FM sidebands making performance even
worse at weak signals.

3) THe advantages of PSK31 are optimized uniquely for HF linear
modulation: Narrow bandwidth to eliminate selective fading problems,
Narrow bandwidth to improve SNR for a given transmitter power, and lower
symbol rate for higher reliablity in HF noise.

I certainly do not discourage those people who want to play with this and
experiment with it.., Yes, it will even punch through just a little bit
further in some unique cases right at FM threshold. I applaud those
who are willing to experiment with this or anything with Amateur radio...

But to me, the gaining of a dB or so only at the very edge of FM threshold
is nothing compared to the potential gain of over 30 dB if using PSK-31
direct at VHF! This is my guestimate (right or wrong) due to the 26 dB
narrower bandwidth and the 4 dB better performance of PSK over FSK...

This makes one's 10 W VHF SSB transmnitter running PSK-31 equivalent to a
10 KW VHF FM station. Now that is worth doing... hi hi...
But the end of the earth is only tens of miles away on VHF, so why
bother...

Thats why putting PSK-31 on HF (SSB) now really makes a difference...
just my 2 cents...

de WB4APR, Bob

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861. [aprssig] Non-standard NMEA?

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Wed, 21 Feb 2001 21:59:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136749-2001.02.21-23.15.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following station in my local area has a new tracker online and is
becaoning packets such as:

VE6WTD-9>PS,WIDE5-3/1:$GPRMC,045141.000,A,5058.000,N,11406.482,W,0.1,63.7,220201,0.0,W*59

However,this station never gets plotted on the map....

Is this due to:

1. The TOCALL being "PS"?

2. The fact that the GPRMC sentence above has added ".000" to the end of
the atomic timestamp?

Any assistance would be appreciated.

Tino, VE6SZR
Calgary, Alberta

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862. [aprssig] Re: Serial Port Sharing on a Network?

From: RMckni8527@aol.com
Date: Thu, 22 Feb 2001 00:45:02 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-136775-2001.02.22-00.01.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/21/01 11:32:49 AM Pacific Standard Time,
myetsko@insydesw.com writes:

>
> And... When I worked for InterLan, we had 'boxes' on the net.
> They were ethernet boxes that had nothing but a bunch (8 I
> think) serial ports on them that you 'connected to'.
>

Lantronix makes a "serial server" which is Ethernet addressable. Up to I
believe 16 ports, but they sell 4/8 port models as well. I also know of

single serial devices which are Ethernet addressed. Just hang these on the
network and away you go. But it's NOT intended for a hobby market, a single
port device is somewhere around $200, a 16 port box well over $1200.

863. [aprssig] Re: Non-standard NMEA?

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 21 Feb 2001 23:12:46 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136785-2001.02.22-01.27.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The problem could be the TO call, depends on your software, and its configuration. Running it through
APRS+SA's parser, it decodes just fine. Brent KH2Z

> The following station in my local area has a new tracker online and is
> becaoning packets such as:
>
> VE6WTD-9>PS,WIDE5-3/1:$GPRMC,045141.000,A,5058.000,N,11406.482,W,0.1,63.7,220201,0.0,W*59
>
>
> However,this station never gets plotted on the map....
>
> Is this due to:
>
> 1. The TOCALL being "PS"?
>
> 2. The fact that the GPRMC sentence above has added ".000" to the end of
> the atomic timestamp?
>
> Any assistance would be appreciated.
>
> Tino, VE6SZR
> Calgary, Alberta
>
> ---
> You are currently subscribed to aprssig as: bhildebrand@earthlink.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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864. [aprssig] Re: E-mail reflector problems

From: B Keyport <bkeyport@qwest.net>
Date: Wed, 21 Feb 2001 10:44:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-136625-2001.02.21-13.00.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Part of the problem is related to the fact that there are over 1300
>subscribers to this SIG with 50-100 messages posted each day (you do the
>math).

1300 subscribers to this sig * 50-100 messages = 65,000 - 130,000
messages sent out a day. Not including the other sigs, light load for
any decent mailing list package.

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865. [aprssig] Re: Delayed messages

From: Skip Allison <sallison@megsinet.net>
Date: Wed, 21 Feb 2001 21:56:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136746-2001.02.21-22.13.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think you can probably tell something about the time it takes to get
an email by looking at the page source. I just received the following

message (at 2/21 21:41). Note the time sent.

-------- Original Message --------
Subject: [aprssig] Packet and the HTX-252
Date: Wed, 21 Feb 2001 12:44:39
From: "Robert M. Butts" <buttsrob@siouxvalley.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

The following is the source:

Received: by pop2.mx.voyager.net (mbox sallison@core.com)
        (with voyager.net's vgrpop Wed Feb 21 22:39:28 2001)
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
        by mx9.mx.voyager.net (8.10.2/8.10.2) with SMTP id f1M3MBs95101
        for <sallison@megsinet.net>; Wed, 21 Feb 2001 22:22:12 -0500
(EST)
Date: Wed, 21 Feb 2001 12:44:39
Subject: [aprssig] Packet and the HTX-252
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
From: "Robert M. Butts" <buttsrob@siouxvalley.net>
List-Unsubscribe: <mailto:leave-aprssig-842K@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-aprssig@lists.tapr.org>
List-Owner: <mailto:owner-aprssig@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Sender: bounce-aprssig-19498@lists.tapr.org
Message-Id:
<LYR19498-136624-2001.02.21-12.59.23--sallison#megsinet.net@lists.tapr.org>

The last line (Message-Id) indicates it was sent at 12:59 and the second
line indicates it was sent to me at 22:39.

So where has it been for the last 10 hours???

I don't know enough to blame any one part of the path. Is the Message
Id line just the date of the senders PC? Could the senders clock be
off? Who cares? It beats the USPO!

Skip
K9SA

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866. [aprssig] E-mail Reflector Problems?

From: "Gary V. Smith" <gvsmith@skyenet.net>
Date: Wed, 21 Feb 2001 20:00:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136719-2001.02.21-19.15.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know if this is relevant to this thread, but here is an excerpt
from an e-mail message on the ICOM reflector, "The three biggest sources of
e-mail bounces on this reflector are home.com, hotmail.com and msn.com."

73,
Gary - KD6RXT
Dowagiac, MI

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867. [aprssig] Re: E-mail Reflector Problems?

From: "Jeff Brenton" <jeffb@espi.com>
Date: Wed, 21 Feb 2001 19:16:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136722-2001.02.21-19.31.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> "The three biggest sources of e-mail bounces on this reflector
> are home.com, hotmail.com and msn.com."

To be blunt, that's kind of like saying the largest number of cars on the
local Chrysler dealer's lot come from Dodge, Jeep, and Chrysler...

Hotmail is probably the largest "free" email service out there, period.
That's why Microsoft bought them. It's also where they found out that their
premier email product, Exchange Server, was NOT up to the task of handling
over 10 million active accounts... My niece has 3 Hotmail addresses that I
know of, and over a third of all spammers that hit my servers _claim_ an
address on Hotmail (which will, of course, bounce if you try to send
anything to them).

MSN is present on every Win9x installation, begging for people to select it.
Another 20% or so of the spammers hitting my servers claim an MSN address,
in part because you can get several (not all!) of Microsoft's mail servers
to forward for you, simply by having the spam mailer say your mail is from
'someuser@msn.com'.

Home.com is (almost) all the cable modems in the U.S. And because of the
volume (and crappy software on the server sides), addresses are screwy.
Heck, I've had mail sent to abuse@home.com bounce as no valid user, even
though that's the address spam reports are to get forwarded to.

Jeff Brenton, Amateur Radio call sign KA9VNV
http://espi.com
Questionable web page: http://dididahdahdidit.com
That strange feeling that you've never
done this before: http://uvajed.espi.com

"Modern Liberalism: The embodiment of an irrational fear of
letting other people run their own lives."

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868. [aprssig] RE: E-mail reflector problems

From: Frank Ingle <73545.1210@compuserve.com>
Date: Thu, 22 Feb 2001 09:54:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136822-2001.02.22-09.11.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan,

Frank said on Sunday, February 18, 2001 6:19 PM:
> Several have observed that we seem to have a new problem
> on the SIG. Some messages are getting delayed as much as 4
> hours!

Stan replied
>I am not convinced that the problem is with the server. While you and other
>SIG subscribers saw some problems during the last few days, I did not see
>those same problems here in Connecticut except in one instance.

Frank replied:
>I'll see if I can find a specific example for you later today.

I have not been able to find a good example of a reply
appearing before the original message was sent yet.
Since you kind of have to read a whole digest carefully
to spot such an error, I may not be able to devote the
required time to the task. However, I will keep my eyes
open for examples in the future, and let you know if
I see another case.

I did however, find two illustrations which may be of
some help in discussing the problem with the SIG
host:

>
>Subject: APRS Sig posts taking over 4 hours to show up?
>From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
>Date: Wed, 14 Feb 2001 21:08:15 -0600
>X-Message-Number: 30
>

>Earlier today I sent this post and it seems to have taken over 4+ hours to
>show back up. Is this typical or perhaps a problem with my ISP?
>
>Any thoughts?
>Has anyone else expreienced this same time-delay?
>
>Scott
>KD5MHM
>
>My "Sent Items" header:
>> ----- Original Message -----
>> From: "KD5MHM @ kd5mhm.org" <kd5mhm@kd5mhm.org>
>> To: "TAPR Org - APRS Sig" <aprssig@lists.tapr.org>
>> Sent: Wednesday, February 14, 2001 4:08 PM
>> Subject: Re: [aprssig] Re: APRS TOCALLS
>> I own a THD7AG and my Kenwood docs say that they use the APKxxx like this:
>
>My "Inbox" shows that it finally arrived back at 8:52PM...
>

The second example shows two messages that appeared in the digest
out of sequence. I realize that this also could have been caused by a Tx
delays enroute to the SIG:

>
>Subject: Re: APRS TOCALLS
>From: Bob Bruninga <bruninga@usna.edu>
>Date: Wed, 14 Feb 2001 10:56:12 -0500 (EST)   = 1556 ZULU
>X-Message-Number: 12
>

>
>Subject: Re: APRS TOCALLS
>From: Roger Barker <roger@peaksys.co.uk>
>Date: Wed, 14 Feb 2001 15:15:46 +0000   = 1515 ZULU
>X-Message-Number: 13
>   --------
                                                 0041 Min difference

---

I'll let you know if I find any other evidence.

Frank Ingle, KG4CQK

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869. [aprssig] Re: Non-standard NMEA?

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Thu, 22 Feb 2001 10:45:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: sarrov@telusplanet.net
Message-ID: <LYR842-136832-2001.02.22-10.03.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The problem would be the to call of PS. That would make WinAPRS ignore it..

Keith Sproul

>
>
> > The following station in my local area has a new tracker online and is
> > becaoning packets such as:
> >
> >
>VE6WTD-9>PS,WIDE5-3/1:$GPRMC,045141.000,A,5058.000,N,11406.482,W,0.1,6
>3.7,220201,0.0,W*59
> >
> >
> > However,this station never gets plotted on the map....
> >
> > Is this due to:
> >

> > 1. The TOCALL being "PS"?
> >
> > 2. The fact that the GPRMC sentence above has added ".000" to the end of
> > the atomic timestamp?
> >
> > Any assistance would be appreciated.
> >
> > Tino, VE6SZR
> > Calgary, Alberta
> >
> > ---
> > You are currently subscribed to aprssig as: bhildebrand@earthlink.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
>---
>You are currently subscribed to aprssig as: KSPROUL@RCI.RUTGERS.EDU
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

Keith Sproul ksproul@rci.rutgers.edu WU2Z
Student Housing Network Coordinator 732 445-3695 W
Rutgers University Computing Services 732 821-4828 H

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870. [aprssig] Re: want to run APRS DOS programs need DOS

From: Jim Duncan <ku0g@kcaprs.org>
Date: Thu, 22 Feb 2001 10:19:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136834-2001.02.22-10.40.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What you are asking is that somebody publicly volunteer to allow you to
make an illegitimate copy of a Microsoft Operating System. Yes, DOS
6.22 IS a Microsoft product.... If your computer boots up and goes to a
DOS prompt, then you don't need it as you've already got it.

You will have better luck asking a local computer dealer or repair
person.
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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871. [aprssig] wince and thd7g

From: "Byron" <byrond@vesupply.com>
Date: Thu, 22 Feb 2001 07:16:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136806-2001.02.22-06.34.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any body had any luck with the thd7g and a sharps hpc i can get mine to work but it shure is noisy.
The radio gets a lot of hash on the receive when computer is on

872. [aprssig] ADMIN: RE: E-mail Reflector Problems?

From: "stanzepa@ct2.nai.net" <stanzepa@mail2.nai.net>
Date: Thu, 22 Feb 2001 11:29:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136835-2001.02.22-10.43.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please send all comments, complaints, and suggestions regarding Lyris problems to me directly
(wa1lou@arrl.org) and free up the SIG for APRS topics.

Thank you for your cooperation,

Stan, WA1LOU, APRSSIG administrator

Mail2Web - Check your email from the web at
http://www.mail2web.com/ .

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

873. [aprssig] Re: want to run APRS DOS programs need DOS

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 Feb 2001 10:36:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136837-2001.02.22-10.51.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would get a copy of Digital Research DOS (DR DOS). See:

http://www.drdos.org/

Less Filling, Tastes Great!

73,

Mark
KC7BXS

At 06:53 AM 2/22/01, Dale Coleman wrote:
>Hi all, I'm interested in running some of the APRS DOS programs on a home
>made 2nd computer that never had any Microsoft product on it. Does
>anybody know were I might get a legal set of disks or download the full
>version of the pre Windows 95 DOS?
>
>I think it was version 6.2 or something close.

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874. [aprssig] Re: PSK31 on FM, and all that...

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Thu, 22 Feb 2001 23:40:29 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136807-2001.02.22-06.55.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Feb 21, 2001 at 04:54:19PM -0500, Bob Bruninga wrote:
> I have stayed out of the discussion because it was a flame war. But now
> that I am into it, I may as well post my understanding of PSK-31's
> great advantages. (and why it adds so little value to FM)

Thanks Bob, you posted an excellent technical summary of the flaws
of PSK31 on FM.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

875. [aprssig] Re: want to run APRS DOS programs need DOS

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 Feb 2001 11:12:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136846-2001.02.22-11.28.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jinx!

At 10:56 AM 2/22/01, Joel Maslak wrote:

>Does it need to be MS DOS? If not, use DR DOS, available at
>www.drdos.org.

At 10:36 AM 2/22/01, Mark Fellhauer wrote:

>I would get a copy of Digital Research DOS (DR DOS).   See:
>
>http://www.drdos.org/
>
>Less Filling, Tastes Great!

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

876. [aprssig] Audio multiplexing thought experiment

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Thu, 22 Feb 2001 10:20:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136850-2001.02.22-11.35.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are some fairly rough (i.e., "crayon on a worn wrinkled envelope")
calculations I made this morning about multiplexing several PSK31 channels
into one 2M FM channel. I'm sure there are several errors in the individual
assumptions and guesses, just as much as I'm sure that the corrections will
flood in. ;-) That would be fine, any required corrections are eagerly
requested. I don't know the exact figures for PSK31, I could be off by quite
a bit in my guesses.

Assumption: each sub-channel is kept completely busy, one way or another. If
one data stream runs out of content, another stream is switched in via time
multiplexing.

Assumption: a full-duplex link requires two distinct trunk channels, one for
each direction. These babies stream at 100% duty cycle.

Guess: the required bandwidth for a PSK sub-channel is about 30 Hz.

Assumption: we need some minimum spacing between sub-channels for guarding
against cross-talk or QRM. Maybe we should space the sub-channels no closer
than 45 Hz.

Assumption: we have about 3 kHz of total audio bandwidth at our disposal. The
actual limits will probably arise from the roll-off characteristics of the
audio passband - at a certain point there isn't enough s/n ratio available
any more.

The number of PSK31 sub-channels that would seem to be available would then
be 3000/45 = about 67.

Guess: the effective bit rate of PSK31 is something like 20/second.

The total available bit rate would therefore appear to be something close to
67 x 20 = 1340 bits/sec.

***

How does that compare to a digital multiplexing scheme? Let's run the numbers
for 1200 baud AFSK over the same FM channel.

Assumption: for the sake of comparison we will assume a full-quieting signal

link for both test cases. This analysis does not get into modulation scheme advantages/disadvantages over noisy links.

Assumption: we'll keep this example 100% busy too.

Not-too-shaky-guess: 1200 baud ASCII-encoded AFSK carries 1200 bits per se cond.

8-bit ASCII with 1 start and 1 stop bit uses 10 bits to carry 8 bits of payload. This is 960 data content bits per second.

To keep from comparing apples and oranges, we should compare varicode to varicode, or ASCII to ASCII. So let's have our ASCII character be the carrier for 8, 1-bit-wide sub-streams of varicode. That is our digital multiplexing. Each sub-stream carries 960/8 = 120 bits per second.

But the real figure of merit was calculated in the previous paragraph: Audio-multiplexed PSK31 carries 1340 bits/sec vs. digitally multiplexed 1200 baud ASCII's 960 bits - a 40% advantage.

Oooh, but wait - instead of 1200 baud we could use 9600 baud over the same channel. Now the digitally multiplexed scheme carries 7680 bits/second, a 473% advantage over the PSK scheme.

Guess: there is a way to modify the audio multiplexing scheme for more efficiency. It seems like a lot of bandwidth is thrown away in all those sub-channel guard spaces. Maybe fewer, wider channels that individually have higher bandwidths would be a good thing. 7 channels of "PSK300"? That might help a bit, though maybe not enough to compete with digitally multiplexed 9600 baud. Or, how about digitally multiplexed content over a single channel of "PSK3000"?

Putting my crayons away now.... calculation refinements are welcome.

73,
Tony KD7TA

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877. [aprssig] want to run APRS DOS programs need DOS

From: Dale Coleman <kf4sir@earthlink.net>
Date: Thu, 22 Feb 2001 12:53:23 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136814-2001.02.22-08.11.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all, I'm interested in running some of the APRS DOS programs on a home made 2nd computer that never had any Microsoft product on it. Does anybody know were I might get a legal set of disks or download the full version of the pre Windows 95 DOS?

I think it was version 6.2 or something close.

I was hoping to avoid using much disk space and do not want to install Win95 if I don't have to.
(The 2nd computer will have other non Microsoft OS on it and I need to save HD space for the other OS)

Thanks for any help,

Dale kf4sir

-
Dale Coleman
kf4sir@earthlink.net
http://home.earthlink.net/~kf4sir

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878. [aprssig] Icons; Why R Some Unuseable ?

From: WA4TKGMatt@aol.com
Date: Thu, 22 Feb 2001 13:23:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136873-2001.02.22-12.38.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I tried to set an object; " j " a construction zone, onto my local map.

It is not possible.

I have tried everything I can think of to bring it up:

Holding OPTION or CONTROL, on EACH side of the keyboard, to no avail.

Anyone know what the deal is here ?

(I am running MacAPRS; 3.4.5)

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879. [aprssig] Re: Non-standard NMEA?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 22 Feb 2001 09:24:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136817-2001.02.22-08.40.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 21 Feb 2001, Valentino Sarro wrote:

> VE6WTD-9>PS,WIDE5-3/1:$GPRMC,045141.000,A,5058.000,N,11406.482,W,0.1,63.7,220201,0.0,W*59
>
> However,this station never gets plotted on the map....
>
> Is this due to:
>
> 1. The TOCALL being "PS"?

YES

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880. [aprssig] Re: want to run APRS DOS programs need DOS - [Use DOS 7.x!]

From: WA8LMF1@aol.com
Date: Thu, 22 Feb 2001 15:10:13 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136888-2001.02.22-14.27.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/22/2001 10:20:21 AM Pacific Standard Time,
kf4sir@earthlink.net writes:

> Hi all, I'm interested in running some of the APRS DOS programs on a home
> made 2nd computer that never had any Microsoft product on it. Does
anybody
> know were I might get a legal set of disks or download the full version of
> the pre Windows 95 DOS?
>
> I think it was version 6.2 or something close.
>

The last version officially labeled as "DOS" was version 6.22. It' various
files were dated 5-31-1994 with a time stamp of 6:22 AM.

As an alternative, you can use the DOS component from Windows 95 or 98. It
seems to be a well-kept secret that DOS is alive and hiding under Win95/98
including a nearly complete set of the classic DOS utilities that
traditionally populated a \DOS directory. The original Win95 is booted by
"DOS 7.0". Win 95B/95C/Win98/98SE are booted by "DOS 7.1" The major
difference between the two is that DOS 7.1 supports hard disk partitions

larger than 2GB each (FAT32 file system) and allows the use of huge hard disks even without Windows.
    I have run a wide range of classic DOS programs on "DOS 7.1" systems without any problems. The only thing I have found that refuses to run over DOS 7 is the installer for Windows 3.x. You get an "Invalid operating system" message during the setup. Oddly, if you fool it by booting DOS 6.x from a floppy during the install, it will then RUN just fine on 7.x...

Create a DOS boot disk in a Win95/98 system by inserting a floppy into drive A:, opening a DOS box and typing:
         " FORMAT A: /S /U" at the C:>.
This will create a formatted floppy with a bootable copy of DOS 7.1 on it, including MSDOS.SYS, IO.SYS and COMMAND.COM.

In the directory \WINDOWS\COMMAND, you will find a set of the "classic" DOS utilities such as FDISK, FORMAT, SYS, MSCDEX, MODE, MEM, EDIT, etc.   At a minimum, copy FDISK.COM, FORMAT.COM and SYS.COM onto the floppy.

You can then boot another system with the floppy and then use FDISK and FORMAT to create a DOS partition. Use SYS to clone the floppie's operating system to the new hard disk partition. [Just like the DOS days, do a "SYS C:" at the A:>] Make a \DOS directory on the new drive and copy all the files from \WINDOWS\COMMAND to it. For some perverse reason, two of the tranditional DOS system files, EMM386.EXE and HIMEM.SYS, are located in the main \WINDOWS directory instead of with the other DOS components; don't forget them too.
    You can then proceed to create traditional CONFIG.SYS and AUTOEXEC.BAT files on the new drive, and place nearly anything in them that worked with traditional versions of DOS such as CD_ROM drivers, mouse drivers, etc.   One improvement is that the traditional autoexec line "PROMPT=PG is no longer required -- DOS 7.x defaults to showing the current path. DOS 7.x even supports the multiple-boot menus with conditional branches in CONFIG.SYS and AUTOEXEC.BAT that DOS 6.x did.

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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881. [aprssig] Re: want to run APRS DOS programs need DOS

From: Jeff King <jeff@aerodata.net>
Date: Thu, 22 Feb 2001 15:43:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136898-2001.02.22-14.59.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale Coleman wrote:

> Does anybody
> know were I might get a legal set of disks or download the full version of
> the pre Windows 95 DOS?

Two ways:

DR DOS as others have already mentioned (http://www.drdos.org/)

Or buy a copy of MS-DOS 6.22 on EBAY. (and they are legal their, the microsoft rent a cops make sure of that, street price seems to be $30)
http://www.ebay.com

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882. [aprssig] Re: want to run APRS DOS programs need DOS

From: Joel Maslak <jmaslak@antelope.net>
Date: Thu, 22 Feb 2001 09:56:27 -0700 (MST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-136840-2001.02.22-11.03.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 22 Feb 2001, Dale Coleman wrote:

> Hi all, I'm interested in running some of the APRS DOS programs on a home
> made 2nd computer that never had any Microsoft product on it. Does anybody
> know were I might get a legal set of disks or download the full version of
> the pre Windows 95 DOS?

Does it need to be MS DOS? If not, use DR DOS, available at
www.drdos.org.

--
Joel Maslak
N7XUC

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883. [aprssig] Re: want to run APRS DOS programs need DOS

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Thu, 22 Feb 2001 14:12:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136904-2001.02.22-15.28.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:53 PM 2/22/01 +0000, Dale Coleman blasted the following out into the
ether:
>Hi all, I'm interested in running some of the APRS DOS programs on a home
>made 2nd computer that never had any Microsoft product on it. Does
>anybody know were I might get a legal set of disks or download the full
>version of the pre Windows 95 DOS?

      Just for interest's sake, guess who made what we usually call
DOS? Microsoft, as in MS-DOS! <G>

>I think it was version 6.2 or something close.

      6.22

>I was hoping to avoid using much disk space and do not want to install
>Win95 if I don't have to.
>(The 2nd computer will have other non Microsoft OS on it and I need to
>save HD space for the other OS)

      Just speculating here, but I THINK you can simply copy your
c:\windows\command directory to the new machine's hard drive, along with
IO.SYS in the root directory, make your path statement point to that new
directory and have a fully functional DOS.

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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884. [aprssig] RE: Packet and the HTX-252

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Thu, 22 Feb 2001 14:30:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136907-2001.02.22-15.44.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Robert M. Butts" <buttsrob@siouxvalley.net>

>Has anyone had any luck with the NEW RadioShack 2m Mobile (HTX-252) on
>packet?
>
>I've tried it with a TNC and with a sound card (running WINAPRS + AGW)
>and I have problems decoding packets...

Assuming you have the rx volume set appropriately, might it be a case
excessive de-emphasis in the receive audio path? My Kenwood 2500 suffers from
some of that. Do received packets sound very different on your rig compared
to others? Would you call the sound "muffled" or "warm"?

>I know that previous RadioShack rigs (HTX-202, etc) are much maligned in
>the packet (and amateur - in general) world

Only from half the population. The other half deifies them. ;-)

>but there are TONS of folks using them successfully.

My HTX-242 has a wonderfully flat tone response on RX, and extremely clean
signals on TX. However, I'm less than 100% satisfied now because it's
suffering from a PLL that gets confused when it gets really cold. In a
Wyoming winter trackers can get very cold. A new '242 is supposedly winging
it's way to me now because RS declared the first one unrepairable. I refused
the offer of a replacement with an HTX-252 because of the reduced features
and power (for the day when I might need it as an emergency replacement for
my voice rig). I was hoping for a cash refund so I could get an Icom 2100 or
a Yaesu 1500. No dice. :(When unit #2 fails I'll be using a '252 I
guess.

I'm using a '202 in a digi (The Horror!) where it delivers acceptable
performance. I would have preferred a mobile rig on principle, but there are
two good qualities of the '202: a) this one was available b) it hardly even
sips at power, giving me very long run times on emergency power.

73,
Tony KD7TA

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885. [aprssig] Re: Packet welcome at FD 2001

From: pk@ij.net
Date: Thu, 22 Feb 2001 21:40:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136909-2001.02.22-15.56.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> NOW would be the time to get to work assembling the

We could setup digis as FDWIDE (or WIDEFD) and coexist on the 144.390, or we could set up
shop on a different frequency. In Florida there are plenty of frequencies that were
assigned to packet use that are vacant these days.

To be of any use, several groups would have to agree to participate.

73
Paul
N4PK

This message was sent using Panda Mail. Check your regular email account away from home
free! http://bstar.net/panda/

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886. [aprssig] Ambient Software's Virtual Weather Station

From: Charles Layno <clayno@nc-cap.org>
Date: Thu, 22 Feb 2001 17:47:22 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136921-2001.02.22-17.03.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anyone on the list using VWS's aprs interface and what is it? At
work we have a copy running that is updating our webpage and there
is a new APRS section in it, but the docs are pretty bad and their webpage
does not mention this application. I want to tie our Davis weather station
into APRS using VWS if it will support it.

Charles Layno
W4CL

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887. [aprssig] Re: Packet welcome at FD 2001

From: "The Germino's" <mgermino@inreach.com>
Date: Thu, 22 Feb 2001 14:47:32 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136927-2001.02.22-17.07.36--lyris.aprssig#tapr.org@lists.tapr.org>
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Paul said
> We could setup digis as FDWIDE (or WIDEFD) and coexist on the 144.390, or
we could set up
> shop on a different frequency. In Florida there are plenty of frequencies
that were
> assigned to packet use that are vacant these days.
>
> To be of any use, several groups would have to agree to participate.
>
> 73
> Paul
> N4PK

Good Idea, but we need to stay on the APRS frequency. We need to pick like
Paul said a "WIDEFD or a FDWIDE. This is not necessary, but good from the
PR angle.

2001 FD rule
7.3.10.   A.portable packet system may be included as one of the
demonstration modes. This system must include a temporary, portable node
separate from the existing packet infrastructure of your area.

Being a "demonstration mode" it would be a better demonstration for the
public on 144.390. If you make it temporary and portable it would not be
part of the existing APRS infrastructure in your area.

Mike
AD6AA

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888. [aprssig] Re: Packet welcome at FD 2001

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Thu, 22 Feb 2001 15:23:30 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136931-2001.02.22-17.38.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>This system must include a temporary, portable node
>separate from the existing packet infrastructure of your area.

Remember that if you enable digipeating from your FD APRS station, you've
already qualified for the temporary portable node...

73, Bob

Robert Donnell, KD7NM   (206) 542-7661
18828 Midvale Ave N   mailto:kd7nm@pugetsound.net
Shoreline, WA 98133
       Western Washington Amateur IP Address Coordinator

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889. [aprssig] Re: Icons; Why R Some Unuseable ?

From: "Eric & Marlene Reid" <reid@sympatico.ca>
Date: Thu, 22 Feb 2001 14:12:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136881-2001.02.22-13.27.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Matt
Does the 'j' with a 'backslash' as the second level character work?
Eric
ve3gsi@canada.com

----- Original Message -----
From: <WA4TKGMatt@aol.com>
Sent: Thursday, February 22, 2001 1:23 PM
Subject: [aprssig] Icons; Why R Some Unuseable ?

> I tried to set an object; " j " a construction zone, onto my local map.

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890. [aprssig] Re: Booting to DOS from Windows - [Use DOS 7.x!]

From: WA8LMF1@aol.com
Date: Thu, 22 Feb 2001 18:33:05 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136934-2001.02.22-17.48.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received this query off-list but suspect the issue is of sufficient
interest to warrant an on-list response since so many of us are fighting
Windows trying to run specialized DOS-based programs and utilities. I am
constantly surprised how few technical Windows users are aware of this very
simple way to get back full DOS functionality.....

> I hate to ask this, after your EXCELLENT Post... but how does one get a
> Win98 machine to boot directly to dos? I am clueless...
>

To do it once:

For Win95:
Hit F8 as soon as the bios self-test has ended and the message "Starting
Windows 95..." appears. You will get a boot menu with the choice "Command
Prompt Only" on it. Select this choice and hit enter.

For Win98:
Hold down Ctrl by itself as soon as the bios self-test has ended and the
message "Starting Windows 98..." appears. You will get the same boot menu
with the choice "Command Prompt Only" on it. Select this choice and hit
enter.

Either one will send you to C:>

If you type "Ver", you will get a number that reflects the version of
Windows, not DOS.

However, if you use a DOS-based diagnostic utility like Microsoft's MSD,
Check-It, Norton SysInfo, etc you will be told you are running DOS 7.0 and
Windows 4.0 (Original Win95), DOS 7.1 and Windows 4.0 (Win95B), or DOS
7.1 and Windows 4.1 (Win98) ! The cat is out of the bag!

To have either flavor of Win9x do this every time you boot:
Use the Windows File Explorer (be sure the option to show all files and
hidden files is ON), to locate the file MSDOS.SYS in the root directory of
the boot drive. Right-click it and choose "Properties". Clear the hidden
and read-only attributes.

Unlike previous versions of DOS, MSDOS.SYS is not a binary file; it is an
ordinary text file. Open MSDOS.SYS with Windows Notepad or the DOS Edit
utility. You will see something like this:

======PASTE=========

[Paths]
WinDir=C:\WINDOWS
WinBootDir=C:\WINDOWS
HostWinBootDrv=C

[Options]
BootMulti=1
;
;The following lines are required for compatibility with other programs.
;Do not remove them (MSDOS.SYS needs to be >1024 bytes).
;xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

====== END Truncated PASTE======

Insert the line BootGUI=0 (thats a zero, not a letter "O") directly below
the [Options] heading. Save the file and reboot. The boot process will stop
at the traditional C:>

You can then run any traditional DOS commands or programs. When you are
ready to proceed into Windows, just type "WIN <enter>. It's exactly like the
old days of DOS + Windows 3.x!

If you REALLY want it to look like the classic boot sequence, remove
Microsoft's smoke screen intended to make you think DOS has gone. Open
MSDOS.SYS as above and insert the line Logo=0 (thats a zero, not a letter
"O"). On the next boot, the clouds and sloshing line will be gone, and a
classic DOS boot sequence of dirty grey text messages (including device
driver loads in CONFIG.SYS, and commands and messages in AUTOEXEC.BAT) will
show instead.

Of course the other way is to boot from a floppy in A:, created as I
described in my last post.

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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891. [aprssig] WinAPRS to tracker Help!

From: Tyler Griffiths <n7uwx@home.com>
Date: Thu, 22 Feb 2001 17:59:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136944-2001.02.22-19.14.49--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

How do I hook up a computer (Laptop) to my Tracker (KPC-3 Plus) and not get the winaprs program to send out beacons? I want to see myself and other stations and also be able to send and recive messages.

Thanx in advance,
Tyler N7UWX

--
Find out where I am...
http://map.findu.com/n7uwx-13

```
+.................................................................+
| Tyler Griffiths                              Ham Radio          |
| http://www.geocities.com/n7uwx                 N7UWX            |
| n7uwx@home.com                      Bridgerland Amateur Radio club |
| (435) 750-9222   (pager)      |=|       http://www.barconline.org  |
| tyler@sficorp.com            (o o)         tyler@n7uwx.net        |
+---------------------------oOO--V--OOo------------------------------+
```

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892. [aprssig] RE: Ambient Software's Virtual Weather Station

From: "Bill Bell" <wbell@gatewayeast.com>
Date: Thu, 22 Feb 2001 19:10:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136946-2001.02.22-19.25.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The APRS interface in VWS puts out a file called wxreport.txt in the VWS\Data directory every minute.

This file is usable by current version of UI-View and a beta version of APRSPlus. The VWS file still needs some minor formatting by the author but is usable as is.

I have been using VWS since the first of the year and have been feeding APRSPlus with the wxreport.txt file for the last couple of weeks with good results.

73's W9BEL

Bill Bell

wbell@gatewayeast.com
wbell@w9bel.com
http://www.w9bel.com

-----Original Message-----
From: bounce-aprssig-21683@lists.tapr.org
[mailto:bounce-aprssig-21683@lists.tapr.org]On Behalf Of Charles Layno
Sent: Thursday, February 22, 2001 16:47 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Ambient Software's Virtual Weather Station

Is there anyone on the list using VWS's aprs interface and what is it? At work we have a copy running that is updating our webpage and there is a new APRS section in it, but the docs are pretty bad and their webpage does not mention this application. I want to tie our Davis weather station into APRS using VWS if it will support it.

Charles Layno
W4CL

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893. [aprssig] Re: Packet welcome at FD 2001

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 22 Feb 2001 20:18:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136947-2001.02.22-19.34.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 22 Feb 2001, The Germino's wrote:

> 2001 FD rule
> 7.3.10. A.portable packet system may be included as one of the
> demonstration modes. This system must include a temporary, portable node
> separate from the existing packet infrastructure of your area.

Oh boy... many ways to interpret this...

1) "system" sounds like what YOU bring to YOUR FD site...
2) "node"? (I know what a PACKET NODE is, but APRS doesnt use them)
3) If it must "include" a temporary node, ... OK, but the words "must
include" does not seem to EXCLUDE the rest of the system...
4) If you install a temporary digi at your site, call it a node, and
since it is not a "part of the infrastructure in your area," then you have
followed the rules.
5) It doesn even say you have to USE it. All you have to do is "include"
it.

Boy, its clear that no one in the FD rules organization has a good handle
on how APRS works in the field. THis is going to be lawyers game for the
next 3 months... sheesh...

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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894. [aprssig] Peet Bros & KPC-3+

From: "Travis J. Maclay" <travis@btea.org>
Date: Thu, 22 Feb 2001 20:19:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136948-2001.02.22-19.36.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

I would like to setup a remote WX site to be used in conjuction w/ APRS. I
am using a Peet Bros Ultimeter 800 with a KPC-3+.

I would like to know if someone who is using same setup could email me a
Display of their TNC setup. This would be used w/out a computer as a stand
alone station.

The weater station, I assume, would be connected directly to the TNC which
would then be transmitted every "x" according to the beacon rate? All
parameters needed or display information would be greatly appreciated!!!

Thanks,
Travis

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895. [aprssig] Re: Some possible causes for delayed messages

From: "BobD" <BobD@virtualconst.com>
Date: Thu, 22 Feb 2001 20:39:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136950-2001.02.22-19.50.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do all mail servers keep their clocks synced?

Do they report/tag an outgoing message with UTC time or local time?

How often are they set up to forward mail out and grab mail for their users?

Does EVERYONE keep the clock on their computer set at the proper time (at
least within a couple minutes)? I'll bet not.

If a particular path from an ISP's mail sever to TAPR makes a couple hops
and each of those forwards every hour, you could end up with a reply being
posted in some cases in near real time and in others maybe 4 hours later.

Bob D.

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896. [aprssig] Possible WinAPRS 2.4.8 bug with active objects

From: "Michael Francoeur" <n1naf@mint.net>
Date: Thu, 22 Feb 2001 21:23:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136957-2001.02.22-20.37.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody else having problems creating active APRS objects in WinAPRS 2.4.8?

- Mike/N1NAF

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897. [aprssig] Re: APRS Events Calendar

From: "Keith Kotch" <kotch@mpinet.net>
Date: Thu, 22 Feb 2001 09:24:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136816-2001.02.22-08.34.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a site called www.intranets.com where one could be set up, however,
I tried to register a www.aprs.intranets.com account and it came back that
one was already taken. I went to it and there appears to be no information
there. The name was registered but it looks like no one carried it any
further and has locked up the name.

This would be one way to have an APRS calendar on the web that would be easy
for everyone to access without having to be a member of the sig.

If anyone on the sig registered the name with intranets and haven't built
the site yet, would they be willing to open it up for us?

Keith
Keith Kotch
Ambient Design Consultants 407-673-1901
I'm a Ham too, Amateur Radio Call: KF4BXT

----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>
Subject: [aprssig] APRS Events Calendar

We used to have a volunteer doing this once a week. Havent see one in a
long time. ANy new volunteers to watch all postings on the sig and
accumulate this for a re-post once a week?

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898. [aprssig] Re: Ambient Software's Virtual Weather Station

From: Gary <n3hcp@nbn.net>
Date: Thu, 22 Feb 2001 23:20:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136973-2001.02.22-22.35.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep...using the very setup you describe. The catch is that the only APRS software that supports the data output from VWS is UI-View. The weather data is sent from VWS to UI-View via a text file, but there are still some bugs in the system, like the time data in the text file is wrong and some settings in UI-View must be adjusted to compensate. All in all, it works OK. I use it because it allows me to post my weather data to the web page and to the APRS radio at the same time.

UI-View is a workable APRS program, but no substitute for the other APRS programs
we all know so well. It was written in England to address their particular needs.

Hopefully, the other APRS authors will be adding the weather data transfer feature
soon. I have been told that a version of APRS+SA with this feature is in the works...no verification on that.

Links to the programs are on my web site at
http://www.n3hcp.com

Good luck!!!

At 05:47 PM 2/22/01 -0500, you wrote:
>Is there anyone on the list using VWS's aprs interface and what is it? At
>work we have a copy running that is updating our webpage and there
>is a new APRS section in it, but the docs are pretty bad and their webpage
>does not mention this application. I want to tie our Davis weather station
>into APRS using VWS if it will support it.
>
>Charles Layno
>W4CL
>
>
>
>---
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>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

Gary
N3HCP

n3hcp@nbn.net

http://www.n3hcp.com

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899. [aprssig] Carrier on 144.39 in Philadelphia area?

From: "Stephen M. King" <frastephen@home.com>
Date: Thu, 22 Feb 2001 23:42:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136974-2001.02.22-22.58.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry to use bandwith for those beyond the Philadelphia area...

Is anyone else in the K3ATI-11 service area getting a VERY loud dead carrier on 144.39 tonight?

73,
Stephen
W3SMK

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900. [aprssig] NWS Zones and County Codes

From: AE5PL <HamLists@ametx.com>
Date: Thu, 22 Feb 2001 23:01:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136975-2001.02.22-23.16.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ever wonder what the codes are that are in the warnings, watches, etc. that
are in the NWS-XXXXX bulletins? Dale has the messages format now so they
look like the following:

CWAYYY>NWS-XXXXX text where CWA=County Warning Area, YYY is the type of
advisory, XXXXX is ADVIS, WARN, etc.

The text contains either county codes, zones, or a general statement for all
of the CWA. The NWS keeps these in different files on their servers. To
help the common ham, I have compiled the zone and county code list into a
single database that you can download or browse. Also included in this
database is the CWA, full description of the zone/county, and the Lat/Long
associated with each zone/county (maybe some resourceful soul might look at
an automated weather object maker).

I used this info for my IGate so that I gate to RF all notices for our local
County Warning Area (FWD). Most IGates let you gate based on the from field
so no special software was required.

You can browse and/or download the database at
http://www.ae5pl.net/NWSCodes.asp

Hope you find this useful.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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901. [aprssig] Re: Dreamcatcher Status - Landed

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 23 Feb 2001 00:09:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136980-2001.02.22-23.24.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:23 PM 2/20/01 +0000, Joe LaGreek wrote:
>The balloon flight has ended, there were problems with tanks and the flight
>did not proceed. The landing was near Zeeland ND. Rich never got close to
>any Igate, so I don't think he made it to the network.

Rats :(

FWIW, next time i'll likely be available to chase.
This time, I had to leave on a trip to Missouri at 07:00 the next morning.

I'm pretty much in his landing pattern I think.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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902. [aprssig] Packet welcome at FD 2001

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Thu, 22 Feb 2001 13:10:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136903-2001.02.22-15.25.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following info is from the ARRL web page, in a story relating to new
rules applicable to Field Day 2001:
==========
Packet is back and will be counted as one of the three
demonstration modes, but to claim packet credit, you must set up a
portable digipeater system. Existing, permanent packet networks
do not qualify for this bonus.
http://www.arrl.org/news/stories/2001/02/22/2/?nc=1
==========
NOW would be the time to get to work assembling the components needed
for temporary digipeaters for the event. We may also have to decide on a
FD APRS frequency or develop some other method to avoid using existing
APRS digis within the spirit of the rules.

I want to thank the leadership of the ARRL, and those of you who took
the time to contact them, for bringing packet digis (and APRS) back into
Field Day.

Jeff Reinhardt AA6JR

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903. [aprssig] Re: WinAPRS to tracker Help!

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Thu, 22 Feb 2001 20:33:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-136951-2001.02.22-19.51.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you don't want to send BEACONS, set the BEACON rate to zero.

If you don't want it to send your POSITION set that rate to zero.

Keith Sproul

>How do I hook up a computer (Laptop) to my Tracker (KPC-3 Plus) and not
>get the winaprs program to send out beacons? I want to see myself and
>other stations and also be able to send and recive messages.
>
>Thanx in advance,
>Tyler N7UWX
>
--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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904. [aprssig] Re: Booting to DOS from Windows - [Use DOS 7.x!]

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 Feb 2001 23:58:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137004-2001.02.23-00.14.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:33 PM 2/22/01, WA8LMF1@aol.com wrote:

>For Win98:

>Hold down Ctrl by itself as soon as the bios self-test has ended and the
>message "Starting Windows 98..." appears. You will get the same boot menu
>with the choice "Command Prompt Only" on it. Select this choice and hit
>enter.

Many people have a hard time getting to this menu - especially in certain
newer computers that boot very quickly. And some programs like "GoBack"
disable some keyboard commands on startup, too.

In Win98 you can turn on the boot menu (In Windows) by clicking on the
start button - then going to run, and in the run comand line (where it says
open:) type the word msconfig and then press enter. This will bring up the
System Configuration Utility. Click the advanced button and put a check in
the box "enable startup menu." Click on OK. From now on when you reboot
or start your computer you will get a boot menu. There is a utility called
TWEAKUI (available on the 'net) that gives you the option of doing the same
with Windows 95B - NOTE: Do not use this function on Win95A with TWEAKUI
as you can really mess things up.

>If you REALLY want it to look like the classic boot sequence, remove
>Microsoft's smoke screen intended to make you think DOS has gone. Open
>MSDOS.SYS as above and insert the line Logo=0 (thats a zero, not a letter
>"O"). On the next boot, the clouds and sloshing line will be gone, and a
>classic DOS boot sequence of dirty grey text messages (including device
>driver loads in CONFIG.SYS, and commands and messages in AUTOEXEC.BAT) will
>show instead.

Easier way without editing any files - Press the ESC key when the logo
comes on and you will see the DOS boot sequence text.

I would like to address one other issue.   Sometimes when DOS programs
terminate improperly after you've dropped to DOS from Windows or in a DOS
box it will put you in a condition where windows will not boot, and instead
dump you at a C: prompt. No amount of turning the computer off and on will
change this. Typing Win will not get you to Windows. You may even get a
message telling you to re-run setup. Unfortunatly many people either
re-run setup (a real mistake, especially with certain hardware
configurations) at that point or format and start over.   This is not
necessary.

The computer is simply stuck in a DOS LOOP.   The easiest fix for this is
to hold the F8 Key (Win95) or CTRL Key (Win98) on boot and bring up the
aforementioned boot menu. Then choose "Safe mode command prompt only."

At the C: prompt type "win /wx" (without the quotes). Press enter. Try
rebooting. If it still dumps you to a C: prompt, reboot go back to "safe
mode command prompt only" and rename the autoexec.bat and config.sys
files.   Reboot.   You should now be able to boot to Windows.

73,

Mark
KC7BXS

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905. [aprssig] Re: Packet welcome at FD 2001

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 22 Feb 2001 17:20:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-136917-2001.02.22-16.35.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, Ill stand up as a target....

How about 145.01 for FD-to-FD special packet contacts?

My experience with FD on APRS is that it is NOT a barn burner.... THus I
dont think that anyone could argue that we would be HOGGING the national
packet frequency.

I agree that to be meticuluous with the rules, we must use not only a
different fequency but ALSO a different generic path such as FORFD. THe

reason I made it 5 bytes insstead of the suggested WIDEFD is because we
want to leave a 6th byte so you can also set up FORFDn-N digipeater too!

Then in my interepretation of the rules, if you take an existing DIGI and
RE-CONFIGURE IT EXPRESSLY for Field Day by going to the site and changing
it to 145.01 and or changing its path to FORFD, then you have established
a special DIGI for FD only and it can be used...

Just a suggestion to start discussion...

HUMMH!!!!!!!   Then the next question is is REMOTE SYSOP changing OK? I
say YES! It shows that we have REMOTE CONTROL over our assets and we have
made provisions for REMOTE configuration in times of disaster. Thus
REMODTE SYSOP re-configuration for FD is a perfect demonstration of "FIELD
CONDITIONS".

WHICH THEN LEADS TO THE CONCLUSION.... that if we stay on 144.39 and
REMOTE SYSOP digis to the uniqe FD DIGIPEATER configuration of FORFD,
then we have not only met the rules for FD, but also the intent as well...
that is, to show our resourcefullness to respond to emergency
requirements.... in this case... establishing a TOTALLY INDEPENDENT FD
NETWORK (even if it is on 144.39).

No one can deny that if all ALIASES are disabled and ONLY FORFD is
allowed, then the FD network on 144.39 would be TOTALLY independent of the
existing network...

Hummh... chew on that........   just a thought...

de WB4APR, Bob

 On Thu, 22 Feb 2001 pk@ij.net wrote:

> > NOW would be the time to get to work assembling the
>
> We could setup digis as FDWIDE (or WIDEFD) and coexist on the 144.390, or we could set up
> shop on a different frequency. In Florida there are plenty of frequencies that were
> assigned to packet use that are vacant these days.
>
> To be of any use, several groups would have to agree to participate.
>
> 73
> Paul
> N4PK

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906. [aprssig] Re: want to run APRS DOS programs need DOS - [Use DOS 7.x!]

From: WA8LMF1@aol.com
Date: Thu, 22 Feb 2001 21:07:34 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136955-2001.02.22-20.22.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/22/2001 4:22:34 PM Pacific Standard Time,
k4gps@bellsouth.net writes:

> Tried this and it tells me everytime I try to format
>
> Incorrect DOS Version
>

I'm willing to guess you have one of those horrible messes resulting from
installing Windows 9X as an upgrade over previous versions of Windows or DOS.
Somewhere, you have two different versions of COMMAND.COM and/or FORMAT.COM
on the system. When you open the DOS box and type FORMAT, the wrong version
for the version of Windows you are using is being started. Ensure that the
right version is being run (assuming a normal Windows layout with standard
locations on the hard disk)   by using the command line
C:\WINDOWS\COMMAND\FORMAT A: /s /u   ;i.e. callout the ENTIRE explicit path
to FORMAT instead of trusting the default DOS search path which may cause a
different version to be found (and run) first.

Stephen H. Smith   Email: wa8lmf@aol.com

```
Homepage:         http://members.aol.com/wa8lmf
-------------------------------------------------------------------------------

----------
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An alternative is to do it entirely within Windows. Insert the floppy in
drive A:, start the Windows File Explorer (or "My Computer"), RIGHT-click on
drive A: and choose "Format Disk". Ensure that the check box for "Copy System
Files" is checked.  This will create a bootable disk, but take about 3 times
as long as the classic command-line FORMAT in a DOS box....

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

907. [aprssig] Re: Ambient Software's Virtual Weather Station

```
From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Thu, 22 Feb 2001 21:25:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-136981-2001.02.22-23.39.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

APRS+SA will support it, and is in beta form now. Also APRS support is in the program Weather Display.
  Quite a simple addition actually, and hard to ignore the work of others in this area; no need to
reinvent the wheel. After all, they have done the hard part, interfacing to all the different WX
stations. Add a few lines of code, 10 or 15, and all the hard work in VWS or WD is on the APRS network.
  APRS+SA v1.99XL should be posted this weekend.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

----- Original Message -----
From: "Gary" <n3hcp@nbn.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 22, 2001 8:20 PM
Subject: [aprssig] Re: Ambient Software's Virtual Weather Station

> Yep...using the very setup you describe. The catch is that the only APRS
> software that supports the data output from VWS is UI-View. The weather
> data is sent from VWS to UI-View via a text file, but there are still some bugs
> in the system, like the time data in the text file is wrong and some settings
> in UI-View must be adjusted to compensate. All in all, it works OK. I use it
> because it allows me to post my weather data to the web page and to the APRS
> radio at the same time.
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> UI-View is a workable APRS program, but no substitute for the other APRS
> programs
> we all know so well. It was written in England to address their particular
> needs.
>
> Hopefully, the other APRS authors will be adding the weather data transfer
> feature
> soon. I have been told that a version of APRS+SA with this feature is in the
> works...no verification on that.
>
> Links to the programs are on my web site at
> http://www.n3hcp.com
>
> Good luck!!!
>
> At 05:47 PM 2/22/01 -0500, you wrote:
> >Is there anyone on the list using VWS's aprs interface and what is it? At
> >work we have a copy running that is updating our webpage and there
> >is a new APRS section in it, but the docs are pretty bad and their webpage

> >does not mention this application. I want to tie our Davis weather station
> >into APRS using VWS if it will support it.
> >
> >Charles Layno
> >W4CL
> >
> >
> >
> >---
> >You are currently subscribed to aprssig as: n3hcp@nbn.net
> >To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
> Gary
> N3HCP
>
> n3hcp@nbn.net
>
> http://www.n3hcp.com
>
>
> ---
> You are currently subscribed to aprssig as: bhildebrand@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

908. [aprssig] Re: Ambient Software's Virtual Weather Station

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 23 Feb 2001 06:34:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137032-2001.02.23-06.49.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running GPS199YKH beta and it works PERFECTLY. (APRS+SA). I'm beta
testing for Brian. I'm sure a release of this feature is very close. I have
used both VWS and Weather-Display with this version of APRS+SA and all is
ducky. No more weather station support worries for me!

ALSO: IMPORTANT NOTE

Brian Hamilton, author of Weather-Display, has put the old Ultimeter II in
his list of supported weather stations. It isn't working right yet, but it
WILL....Brian is a bulldog on gettiing stuff to work! Right now, Larry,
N0BKB, is testing this feature of Brian's software. I would expect that over
a period of a week or so, they will get it to work properly. You can
download Weather-Display at:

http://www.weather-display.com/

Keep in mind, the U-II support is "experimental" ....but at least you know
it's on the way. Of the two programs that write aprs compatible weather
files, only Weather-Display promises support for the old Ultimeter II. VWS
does not have such support. I talked to Brian last night night, so I know
he's working on it.

If you end up using Weather-Display, be sure to check FREQUENTLY for new
versions. I have seen as many as 3 new versons show up in one evening!
Always save a copy of the last version that worked right. (sometimes when
adding features, things break). I would also suggest a naming convention for
the download file. It is almost always named wxdisplay.exe....I always
rename it to wxdisplay699.exe then, wxdisplay702.exe...so I know what
version corresponds to what. These are self-extracting zip files, so
renaming them doesn't hurt a thing.

73
hasan schiers, NØAN
schiers@netins.net

----- Original Message -----

From: "Gary" <n3hcp@nbn.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, February 22, 2001 10:20 PM
Subject: [aprssig] Re: Ambient Software's Virtual Weather Station

> Yep...using the very setup you describe. The catch is that the only APRS
> software that supports the data output from VWS is UI-View. The weather
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> >---
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> Gary
> N3HCP
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> n3hcp@nbn.net
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> http://www.n3hcp.com
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

909. [aprssig] Fw: Re: Packet welcome at FD 2001

From: "Jim Scott" <jscott@dragonbbs.com>
Date: Fri, 23 Feb 2001 08:40:32 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137038-2001.02.23-08.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

my impression of this new rule would be that packet would count as
 a demostration mode and aprs another. that would be 200 pts with a third
demo being the final 100. seems to me setting up a packet
digi on say 145.01 and and a aprs station on 144.39 would be sufficient for
2 demos. i wouldn't think they would both have to be
operating at the same time so you could use one tnc/transveiver/ and
antenna for both, just swith freqs and tnc parameters. after all the atv
setups probably will not be on 24 hours either.
just my 2 cents worth.

any suggestions for additional modes?

bob said
> > 2001 FD rule
> > 7.3.10.   A.portable packet system may be included as one of the
> > demonstration modes. This system must include a temporary, portable
node
> > separate from the existing packet infrastructure of your area.
>
> Oh boy... many ways to interpret this...
>
>
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

910. [aprssig] Re: Ambient Software's Virtual Weather Station

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 23 Feb 2001 08:24:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137041-2001.02.23-08.47.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Peet really doesn't "connect" to APRS+SA. The Peet "connects" to your
Weather Station software like Weather-Display (Brian Hamilton), or VWS
(ambient software). Each of these programs writes a text file every minute.
That text file contains a properly formatted aprs weather report and a time
signature. The file is overwritten every 1 minute with new data. The file
resides on the hard disk.

If you are running Weather-Display by Brian Hamilton, you can have the file
that is written (named Wxnow.txt) sent anywhere on your hard disk or even
across a network. That is a config option in Weather-Display. k

If you are running VWS (Virtual Weather Station), it writes a file names
wxdata.txt to the directory VWS\data and it cannot be reassigned.

APRS+SA, in the beta version I am testing has a little settings.ini file
that allows you to specify:

1. Read weather data from a file, instead of using internal support or pass
thru.
2. The file's name is "xxxxxxxxx"
3. The file is located ....fully network qualified path to the file
4. How often to transmit this file in minutes.

So, APRS+SA is quite "agile" in handling the weather files, no matter what
program generates them, so long as the program "sticks to the spec" for the
file. So far, there are two weather programs that observe the spec,
Weather-Display and VWS.

Weather-Display is written by Brian Hamilton and costs about 30 bucks. It is
downloadable from the internet, and you can pay for it via credit card on
the internet. It comes fully functional, not crippled. I think it has nag

screens or will only work for X amount of time...I'm not sure how he did it, because I registered it immediately, as I was going to help him "troubleshoot" the interface to APRS programs.
The customer support for this program is ....well....AMAZING. Brian is a real trooper. The other thing about the program is that is uses very little processor time. (Around 7% on a Pentium 233 overclocked to 266). I highly recommend this piece of software. Brian is currently working on support for the old Ultimeter II, for the many people that bought them in the past and are so prevalent in APRS.

VWS (Virtual Weather Station) is by Ambient Software. It is 69 dollars, as I recall. Very nicely done program, lots of fancy features, but it costs more than double and it uses a LOT more processor time. Customer support is "acceptable", but no where near the standard set by Brian, who appears to be borderline obsessed with supporting his software. The interesting thing is that he has spent literally hours with me making the software work with APRS....and he's not a ham...in fact, he mentioned last night that he keeps getting notes from hams with "73" at the bottom of the messages and had no idea what that meant. I explained it to him and he had quite a good laugh.

I have registered both programs, but run Weather-Display because of it's simple look and feel, and low processor loading.

You don't have to lose your weather output. If you are using the Peet, simply put a 2:1 phone line doubler on the output of the Peet (the RJ-11 on the side). Run that data output to the Weather Software's serial input (Com1-8 on Weather Display). It will then write the text file that can be read by UI-View or APRS+SA. Hope this helps. 73

...hasan

----- Original Message -----
From: "JBRUCKNER" <jbruckner@home.com>
To: "hasan schiers" <schiers@netins.net>
Sent: Friday, February 23, 2001 7:53 AM
Subject: RE: [aprssig] Re: Ambient Software's Virtual Weather Station

> Hi Hasan;
>
> How are you connecting the Peet to APRS+SA? I have a stand alone KPC3+ that
> my Peet is connected to (along with a HTX242) for my area wx. I use another
> 2m rig with another TNC to copy my output as well as yours, etc. I really
> don't want to lose my stand-alone wx station.
>
> 73,
>
> John W0Hii
> EN11xg
>
> -----Original Message-----
> From: bounce-aprssig-20133@lists.tapr.org
> [mailto:bounce-aprssig-20133@lists.tapr.org]On Behalf Of hasan schiers
> Sent: Friday, February 23, 2001 6:34 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Ambient Software's Virtual Weather Station
>
>
> I am running GPS199YKH beta and it works PERFECTLY. (APRS+SA). I'm beta
> testing for Brian. I'm sure a release of this feature is very close. I have
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> a period of a week or so, they will get it to work properly. You can
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> http://www.weather-display.com/
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> Keep in mind, the U-II support is "experimental" ....but at least you know
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> rename it to wxdisplay699.exe then, wxdisplay702.exe...so I know what
> version corresponds to what. These are self-extracting zip files, so
> renaming them doesn't hurt a thing.
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> schiers@netins.net
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> ----- Original Message -----
> From: "Gary" <n3hcp@nbn.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Thursday, February 22, 2001 10:20 PM
> Subject: [aprssig] Re: Ambient Software's Virtual Weather Station
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> > Good luck!!!
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> > >into APRS using VWS if it will support it.
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> > >Charles Layno
> > >W4CL
> > >
> > >

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

911. [aprssig] Virus Alert

From: "David W. Barrow III" <DBarrow@execpc.com>
Date: Fri, 23 Feb 2001 09:15:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137045-2001.02.23-09.34.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Virus Alert.

A new virus has just been discovered that has been classified
by Microsoft and by McAfee as the most destructive ever!

This virus was discovered yesterday afternoon by McAfee
and no vaccine has yet been developed. This virus simply destroys
Sector Zero from the hard disk, where vital information for its
functioning are stored.

This virus acts in the following manner: It sends itself automatically
to all contacts on your list with the title "A Virtual Card for You".
As soon as the supposed virtual card is opened,
the computer freezes so that the user has to reboot.
When the ctrl+alt+del keys or the reset button are
pressed, the virus destroys Sector Zero, thus permanently
destroying the hard disk.

Yesterday in just a few hours this virus caused panic in New
York, according to news broadcast by CNN. This alert was
received by an employee of Microsoft itself.

So don't open any mails with the subject "A Virtual Card for You".
As soon as you get the mail, delete it.
Please pass on this mail to all your friends.

Forward this to everyone in your address book. I would rather
receive this 25 times than not at all.

Also:
Intel announced that a new and very destructive virus
was discovered recently.

If you receive an email called "An Internet Flower For You",
do not open it. Delete it right away!
This virus removes all dynamic link libraries(.dll files) from your
computer.
Your computer will not be able to boot up.

SEND THIS TO EVERYONE ON YOUR CONTACT LIST!!

- - - - - - - - - - -
David W. Barrow III, d/b/a Stonewall Computer Center
Email: DBarrow@execpc.com   Web Site: http://www.execpc.com/~n9unr/
Amateur Radio: N9UNR
          "The only thing that good men must do
            for Evil to prevail - is nothing."
                    Edmund Burke

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

912. [aprssig] ADMIN: RE: Virus Alert

From: "Horzepa, Stan" <Stan_Horzepa@adc.com>
Date: Fri, 23 Feb 2001 09:25:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137047-2001.02.23-09.40.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please let us now not begin a long off-topic thread about this virus.

Thank-you for your cooperation,

Stan, WA1LOU, APRSSIG administrator

> -----Original Message-----
> From: David W. Barrow III [mailto:DBarrow@execpc.com]
> Sent: Friday, February 23, 2001 10:15 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Virus Alert
>
>
> Virus Alert......
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

913. [aprssig] RE: Virus Alert

From: "Keith Maton" <feeklist@btinternet.com>
Date: Fri, 23 Feb 2001 15:30:49 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137050-2001.02.23-09.45.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Checking the NAI site, I found a link for the "A Virtual Card For You" hoax:

http://vil.nai.com/vil/dispVirus.asp?virus_k=98893

And the following for the Internet flower hoax:

http://vil.nai.com/vil/dispVirus.asp?virus_k=98604

73

Keith
--
Keith Maton, G6NHU
feek@bigfoot.com
Visit http://www.mb7uiv.co.uk, home of the first licenced APRS gateway in
the UK.
   - Careful with that Axe

-----Original Message-----
From: bounce-aprssig-20164@lists.tapr.org
[mailto:bounce-aprssig-20164@lists.tapr.org]On Behalf Of David W. Barrow
III
Sent: 23 February 2001 15:15
To: TAPR APRS Special Interest Group
Subject: [aprssig] Virus Alert

Virus Alert.

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This virus removes all dynamic link libraries(.dll files) from your
computer.
Your computer will not be able to boot up.

SEND THIS TO EVERYONE ON YOUR CONTACT LIST!!

- - - - - - - - - - -
David W. Barrow III, d/b/a Stonewall Computer Center
Email: DBarrow@execpc.com   Web Site: http://www.execpc.com/~n9unr/
Amateur Radio: N9UNR
          "The only thing that good men must do
            for Evil to prevail - is nothing."
                    Edmund Burke

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

914. [aprssig] Re: Virus Alert

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 23 Feb 2001 10:46:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137052-2001.02.23-10.01.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, it's a virus all right. Just not what was alluded to in the post.

It appears that the only 'virus' that is spreading is the emails from
this hoax. Hmm, the chicken little email scare probably does more to
tie up email servers than any virus could have!

Really wish you would have checked it out before you went into a panic
on this.

By the way, it IS listed on the McAfee site. Under their list of
hoaxes.
But I thought as much. There hasn't been a 'sector zero' virus scare
for some time.

Mike

----- Original Message -----
From: David W. Barrow III <DBarrow@execpc.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, February 23, 2001 10:15 AM
Subject: [aprssig] Virus Alert

> Virus Alert.
>
>
> SEND THIS TO EVERYONE ON YOUR CONTACT LIST!!
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

915. [aprssig] MapSource - Moving Map

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Fri, 23 Feb 2001 08:45:49 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137060-2001.02.23-11.00.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have uploaded an update of the little interface to Garmin's MapSource to make it a moving map. It will now recenter the map with you have moved about 1/3 of a mile so the map will stay with your movement now. Your position is updated on the map every 5 seconds however. If you are interested, it can be downloaded at the following URL.

ftp://ftp.tapr.org/aprssig/winstuff/aprsplus/TrackView.zip

Unzip the contents of the file to a single directory. Execute the function, TVIEW.EXE. Be sure that you have selected the required serial port. Click the Open, menu option to open the serial port. TrackView only works with Garmin's Textout, or Simple Text Output (STF). It does not work with NMEA strings. Why? Most people that have MapSource have Garmin receivers that support STF. And STF has more information in a single packet then any NMEA string. I wish all APRS programs supported STF. Several simple plots can be drawn from collected data. Altitude vs Time, Speed vs Time, and Longitude vs Latitude. Note - TrackView it not intended to do any real serious work other than to follow your own personal movement on MapSource. For an APRS interface to MapSource, see Trackpoint+.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

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916. [aprssig] Re: want to run APRS DOS programs need DOS

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Fri, 23 Feb 2001 08:13:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137037-2001.02.23-07.27.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale,

Check out the computer software section of EBAY. I have often seen DOS 6.22 for sale there in the $30-$50 price range.

BTW: Mr Coleman did not ask someone to illegally distribute a copy of DOS to him, He said:

> Does anybody know were I might get a legal set of disks or download the full >version of the pre Windows 95 DOS?

the operative word being LEGAL. He also stated that he had a machine 'that never had any microsoft products on it'.

Vic
_____

Victor Fraenckel - The Windman vfraenc1@nycap.rr.com
KC2GUI www.windsway.com

Home of the WindReader Electronic Theodolite
Read the WIND

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917. [aprssig] New Yaesu 7100 & APRS

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Fri, 23 Feb 2001 07:46:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137036-2001.02.23-07.04.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Howdy All:

        Does anyone know anything about the new Yaesu 7100 dual-band mobile
regarding packet? Just curious if it has the same 6pin plug as the
8000/8100 does...

        Apparently Yaesu doesn't like to update their site to show you info on the
new rig...



...DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I?????  ----------->>>>      http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com  Scanning Tallahassee Florida
  +---------------------------------------------------------------------+
  | Doug Ferrell                                        (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org           Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS              APRS 144.390 Mhz |
 _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400 Mhz |_

---
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```

918. [aprssig] Re: Booting to DOS from Windows - [Use DOS 7.x!]

From: Doug McFadden <kc7imr@orednet.org>
Date: Fri, 23 Feb 2001 09:47:06 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137067-2001.02.23-12.16.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 22 Feb 2001, Mark Fellhauer wrote:

> TWEAKUI (available on the 'net) that gives you the option of doing the same
> with Windows 95B -  NOTE:  Do not use this function on Win95A with TWEAKUI
> as you can really mess things up.
>
>
Is there an easy way to tell which Win95 version, A or B is running?



Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-


---
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```

919. [aprssig] Re: FW: Standarized Tracker Connections

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Fri, 23 Feb 2001 09:46:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137051-2001.02.23-10.01.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Lee, we have been trying to standardize as well, and use the following configuration:

Each TinyTrak is configured with two female DB9s.   The "Radio" DB9 is set up exactly as a Kantronics
TNC, which allows us to use all of our existing cabling and swap between radios easily, and share cables
 with the thousands of Kantronics units in the field.

1-Tx Audio
3- PTT
5 - Audio In
6,8,9 Ground
```

The "GPS" DB9 is configured exactly as a "MIC-E" device, with V+ on pin 4. This allows us to swap GPSs between trackers and existing MIC-E devices. ALSO, V+ on a "male" DB9 pin is very easy to short to ground. Been there, done that.
2-data
3-data
4-V+
5-Ground

I orginally wanted to use different genders for the units, but the MIC-E and Kantronics Standards weren't easy to ignore, as well as the shorting issue. We have purchased "stop" pins and are looking at pulling one of the corresponding male pins on the male GPS connector to prevent accidently mixing plugs, and are also clearly marking the cables and ports.

If I remember correctly, you have to reverse pins 2/3 on the TT to make this configuration work, i'll have to check on that. You will also want a programming cable that DOES NOT allow V+ back to the PC on Pin 4.

f you leave a bit of cable after you cut the old connector from the Rand McNally unit, you can add another female DB9 and make a dongle for connecting to your PC for other APRS or GPS software. Its also handly for testing the output of your GPS if things aren't working right.

Regards,

Rich Beckwith - Wn0x

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920. [aprssig] Re: Virus Alert

From: Steve Slay <snslay@swbell.net>
Date: Fri, 23 Feb 2001 15:33:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137092-2001.02.23-15.53.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The first clue this is, and most others are a hoax is the statement;

"SEND THIS TO EVERYONE ON YOUR CONTACT LIST!!"

Steve Slay
KC5MVY
Where am I now? http://www.findu.com/cgi-bin/find.cgi?kc5mvy

If you receive something that says "Send this to everyone you know,"
      PLEASE pretend you don't know me.

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921. [aprssig] Re: FW: Standarized Tracker Connections

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Fri, 23 Feb 2001 17:24:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137099-2001.02.23-16.39.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Rich Beckwith
> Sent: Friday, February 23, 2001 10:47 AM

> Lee, we have been trying to standardize as well, and use the
> following configuration:

  [snip]

> The "GPS" DB9 is configured exactly as a "MIC-E" device, with
> V+ on pin 4. This allows us to swap GPSs between trackers
> and existing MIC-E devices. ALSO, V+ on a "male" DB9 pin is

> very easy to short to ground. Been there, done that.
> 2-data
> 3-data
> 4-V+
> 5-Ground

     Why pin-4 here or the other guy who said pin-7 for V+. The Tripmate
which is very common has pin-9 as V+ and so do a few other items ...
wouldn't that be better? As far as I know pin-9 on a DB9 is unaccounted
or under most implementations ... it seems that would be a better choice
...

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922. [aprssig] Re: NWS Zones and County Codes

From: Ray Vaughan <ray@rayvaughan.com>
Date: Fri, 23 Feb 2001 17:33:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137103-2001.02.23-16.48.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:01 PM 2/22/01 -0600, you wrote:

>You can browse and/or download the database at http://www.ae5pl.net/NWSCodes.asp

Sadly, this database is already out dated. For some very stupid reasons, a county's code can change. Dade County, FL, where I live, changed it's name to Miami-Dade County. No big deal, change the name field in the table when you get around to it, right? Wrong. This changed the alphabetical order of the county, so the code has be changed. Why? Because the governmental agency that makes up these codes, NIST, said so. So every home EAS receiver (maybe 10s of thousands) out there in Dade County will need to get it's code changed. How many people do think could even find their SAME receiver manual? NWS doesn't want to change it, but they got the codes from NIST and now is a slave to their changes:

Per the NWS: "As a result, we must begin the changeover from FLC025 for Dade County, FL, to FLC086 for Miami-Dade County, FL. Beginning hopefully by March 15, we will be broadcasting BOTH FIPS codes for our warnings and statements pertaining to Miami-Dade. We will continue to do BOTH codes for at least a year, while we mount the necessary massive education and notice campaign to make sure every person with a NOAA weather radio that has the SAME feature makes the switch."

Changing this code might seem trivial at first, but in some ways, it's like changing the number for 911 and hoping everyone gets the hang of the new number. Feel sorry for everyone who doesn't change their equipment a year from now. So what if people die, the codes were right on all the forms, THAT'S what is important to the government.

I'm sorry, but this sort of stuff gets to me. A perfect example of a bureaucracy at work.

I'm glad you did the database on the web site. It IS important to get this information out to every one. It's just that we're going to need to take extra steps to keep up with the government.

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923. [aprssig] Re: NWS Zones and County Codes

From: AE5PL <HamLists@ametx.com>
Date: Fri, 23 Feb 2001 17:15:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137105-2001.02.23-17.30.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray,

> Sadly, this database is already out dated. For some very

I did not create the database. It is simply imported from multiple sources
at the NWS. As such, when the NWS updates their databases, this database
will also be updated. It is current as of 2/21/01.

> Per the NWS: "As a result, we must begin the changeover
> from FLC025 for Dade County, FL, to FLC086 for Miami-Dade

> County, FL. Beginning hopefully by March 15, we will be
> broadcasting BOTH FIPS codes for our warnings and statements
> pertaining to Miami-Dade. We will continue to do BOTH codes
> for at least a year, while we mount the necessary massive
> education and notice campaign to make sure every person with
> a NOAA weather radio that has the SAME feature makes the switch."

As the NWS indicates, they are not going to start the change until 3/15 and
even then this database will still be accurate. Currently, I plan to run an
update every 30 days. However, when I have some extra time (read this to
mean that I already used up most of it creating the web page), I will
automate the database update process so it can run on a daily basis. My
compilation of the multiple sources from the NWS is a free service that I am
providing to the Amateur Radio community as a hobby.

I appreciate you notifying me of the upcoming changes to the database. For
those of you who have other changes, please refrain from sending me emails
about them. I have no intention of manually updating the database. I feel
that using the information directly available from the NWS is the best way
to keep the database current and accurate.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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924. [aprssig] PicoPacket Help

From: pk@ij.net
Date: Fri, 23 Feb 2001 18:40:48 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137076-2001.02.23-12.58.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a picopacket for a few years but haven't been using it.   I have been thinking
of setting up an APRS station at the office using it and a HT.

My biggest problem with the PicoPacket was the cable for the radio.   It appears to have a
RJ-12 modular jack.   The included cable's wires are quite fine and break easy and are
hard to use. Does anyone have any suggestions on a more robust cable arrangment? Maybe
use short jumper with RJ-12 plugs, and make a jumper block that has a more robust
connector (DB or DIN type.)

I am curious what others have done.

Thanks - 73
Paul
N4PK

This message was sent using Panda Mail. Check your regular email account away from home
free! http://bstar.net/panda/

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925. [aprssig] FW: Standarized Tracker Connections

From: "Lee Ciereszko" <n4tcw@yahoo.com>
Date: Fri, 23 Feb 2001 09:43:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137042-2001.02.23-09.01.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

These are the connections that I am using at for standardized tracker
component interfaces. Any comments?
These are the pin outs I have for my TinyTrak tracker. These connections
will allow quick field replacement of components regardless of manufacture.

```
I. GPS
A. GPS side  DB-9F(allows GPS to be directly connected to a computer)

Pin 2 Data Out (of GPS)
      3 Data In (not used for TT,  useful for display GPSs)
      5 Ground
      7 V+ (~13.8VDC)

B. TinyTrak side DB-9M

Pin 2 Data In ( to TinyTrak , out from GPS)
      3 NC
      5 Ground

II. Radio
A. Radio side DB -9M (This is set up just like a KPC-3 Radio cable)

Pin 1 TX Audio
       5 RX audio
       6 Mic Ground
       7 V+ (~13.8VDC)
       9 Ground (Power)

B. TinyTrak side

Pin 1 TX Audio
       5 RX audio
       6 Mic Ground
       7 V+ (~13.8VDC) (Should be wired to power bus, not TT board)
       9 Ground (Power) (Should be wired to power bus, not TT board)

III. External interface- 4 pin waterproof connector available from Mouser
and Allied Electronics (Allied has the best price and good customer service)

A. Tracker side-Mouser #502-EN3C4F (Female) (The female goes on the tracker
side because it is easier to put a new connector on a cable than a
waterproof box (male pins more likely to break))

Pin 1 V+ (~13.8VDC)
       2 Ground
       3 Serial Out ( Brings GPS data from the tracker into the vehicle)
       4 Switch (used to externally change beacon rate) (for TT, grounding
chooses alternate beacon rate)

B. Cable side-Mouser # 502-EN3C4M (Male)

 Pin 1 V+ (~13.8VDC)
       2 Ground
       3 Serial Out ( Brings GPS data from the tracker into the vehicle)
       4 Switch (used to externally change beacon rate) (for TT, grounding
chooses alternate beacon rate)


Lee Ciereszko    N4TCW

Find Lee: http://map.findu.com/n4tcw


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```

926. [aprssig] Re: Booting to DOS from Windows - [Use DOS 7.x!]

```
From: WA8LMF1@aol.com
Date: Fri, 23 Feb 2001 15:20:12 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137087-2001.02.23-14.35.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In a message dated 2/23/01 10:06:05 AM Pacific Standard Time,
kc7imr@orednet.org writes:

> Is there an easy way to tell which Win95 version, A or B is running?
>

This works for any version of Windows 95/98/Me:

Start the Windows Control Panel (Start, Settings, Control Panel) and double
```

click on "System" (icon of a monitor, keyboard and mouse). The opening page
of this applet tells you what version of Windows, what processor you have,
and how much physical memory you have.

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927. [aprssig] Change of E-Mail Address: w8abz@mindspring.com and jota@mindspring.com going Bye-Bye

From: "Dale E. Reed" <w8abz@mindspring.com>
Date: Fri, 23 Feb 2001 20:52:20 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137122-2001.02.23-20.08.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

TWIMC:

(Approximately everyone I've received other-than=spam e-mail from on this
account in the last six months):

(Some of you already have received this information and have updated your
records. If you have, thank you and please accept my apologies for this second
message.)

This is to inform you all that the following addresses and aliases will no
longer be active after approximately 2001-03-31:

w8abz@mindspring.com
Dale.Reed@mindspring.com
jota@mindspring.com

Please change your address books / mailing lists to reflect my new address
(which has actually been active for nearly four months!):

w8abz@core.com

This address will have no aliases.

I would also like to inform you all that the following address and alias will
become inactive at the same time:

nicelystudy@mindspring.com
Barb.Nicely@mindspring.com

Please change your address books / mailing lists to reflect the new address:

nicelystudy@core.com

This address will also have no aliases.

Thank you for your consideration in keeping your records updated!

I remain (for what it's worth),
Dale Reed   (W8ABZ)

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928. [aprssig] DR-235 & DR-435

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Fri, 23 Feb 2001 13:40:04 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137093-2001.02.23-15.56.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Alinco has just introduced the DR-235T 222 MHz mobile/base and will soon
bring out the DR-435T 440 MHz mobile/base. They are "sister" units to
the DR-135, nearly identical in appearance and operation, and they will
accept the optional EJ-41U 1200/9600 TNC unit. This is good news for
those interested in experimenting with APRS at higher data rates and/or
on other bands.

For those who have not used 222 MHz, it is the "undiscovered country" of
ham radio in many parts of the USA. The new Alinco unit may well be the
lowest priced 222 MHz mobile in the marketplace, making it easier to get
on the air. The reason 222 does not see a lot of equipment development
is that the USA is just about the only place on the planet where hams
may use those frequencies. As a result, economy to scale (volume) is
just not there for the manufacturers. Alinco is taking a gamble that the
market may respond to reasonably priced equipment in the 222 MHz arena
(they also offer a 222 HT).

There is also a segment where fixed packet forwarding may take place,
between 219 and 220 MHz. The DR-235 is capable of operating in that
segment. Before diving into this area, check the FCC rules pertaining to
operations in this segment, they are very restrictive.

The new units are very "digital friendly" hence the posting here.

Jeff Reinhardt AA6JR

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929. [aprssig] KPC - 3 Thanks

From: Jim Sanford <wb4gcs@amsat.org>
Date: Fri, 23 Feb 2001 21:20:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137124-2001.02.23-20.35.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ladies and Gents:
In response to my earlier post, I've received numerous emails, two
manuals, and (best of all) a schematic. While it doesn't yet live; I
now have a fighting chance at resurrections.

Thank you all for your assistance. Your help will be repaid by another
node inthe infrastructure, somewher where needed.

Thanks again and very best
73,
Jim
wb4gcs@amsat.org

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930. [aprssig] NWS Zones and County Codes

From: AE5PL <HamLists@ametx.com>
Date: Fri, 23 Feb 2001 22:45:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137131-2001.02.23-23.00.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have updated the database and split it into 2 parts. This is due to
modifications by the NWS which removed some of the correlation available
between zones and county numbers. http://www.ae5pl.net/nwscodes.asp now
gives you only the county numbers and FIPS (used by weather radios).
http://www.ae5pl.net/nwszones.asp gives you the warning zones. Both give
you state, description, warning area (CWA), latitude, and longitude. The
zip file now has 2 .dbf format files that represent these 2 databases.

I apologize for the inconvenience but this should help keep the databases
more up-to-date.

Please do not send me corrections as these tables are directly imported from
the NWS and I have no control on their content. I have my system set up to
check on their status daily.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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931. [aprssig] Re: Booting to DOS from Windows - [Use DOS 7.x!]

From: Jeff King <jeff@aerodata.net>
Date: Fri, 23 Feb 2001 15:38:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137091-2001.02.23-14.56.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doug McFadden wrote:

> Is there an easy way to tell which Win95 version, A or B is running?

You should be able to click on control panel then system, and it should
show you in the first pane displayed.

-Jeff

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932. [aprssig] aprs.net statistics and bad data

From: "Byon Garrabrant" <byon@mail.com>
Date: Sat, 24 Feb 2001 01:16:19 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137152-2001.02.24-03.31.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been playing around with the telnet stream from aprs.net
recently, and though some would like to know what I've discovered.
I took samples for several hours over several days, and then parsed
some 500,000 lines of server data, and discovered the following
data type percentages:

25% - APRS text positions, starting with =
20% - APRS text positions, starting with !
15% - APRS text positions, starting with @
10% - APRS message format
 4% - WX data, staring with _
 4% - $GPRMC sentences
 2% - $GPGGA sentences
20% - Other, mostly status messages

Also, I noted some data that seemed to be incorrectly formatted.
I'm listing it below. Some of them may be the result of dropped
chars, but I don't think so, as I saw each of them several times. I've
pulled the dest and digi paths. If one of these is yours, you may
want to consider correcting it. If any of these actually are the
proper format, please let me know, so I can update my parser. If
bringing these up makes me a Digipeater Cop, I withdraw my
comments :)

AB5CC-4   :!3400.45nt09622.59w#phg5380 Durant, OK
WIDE/RELAY/TRACE

aprsdNJMO :!4043.65N/007424.15WI aprsd n2uth@emcsw.com

K9HGX   :!3952.37NT08900.58#PHG5460 MACON COUNTY
APRS W/R/T

K9IU-10   :=!3910.42N/08630.04WIPHG5030/R-W-T-IN
Bloomington

KB5ZOG-5 :!3507.040N09815.44W5550/A=001365 SPARS
ANADARKO OK WIDE/RELAY/TRACE

KC5ZDV-1 :=3648.06NN09717.11w#PHG7250

KD4JZY   :=3354.42N\078213 WL.../.../KD4JZY: Windy Point N.C.

KD4MWH-8 :=3709.02nn8359.32w#   L.A.R.S.   LONDON KY

N0ZED-5   :!3953.62N/10525.14#PHG4711/Thorodin Mtn Digi
www.rmaprs.org

N2FFA-11 :!4017.60/07451.60W- Titusville
hammerhead@wjjz.com or n2ffa@pgup.net

N4KMJ-7   :!120001/3329.10N/08548.53WrPHG5760/W-R-T-AL
Mt.Cheaha Al...>

N4TP   :! 2801.08NN08226.01WrPHG7530 Tampa Amateur
Radio Club www.hamclub.org

N8WCT   :!3959.57n\08301.17w#phg7570/WIDE Digipeater-
Columbus, Ohio

N8XYF   :=4007.56W/08254.13W-.../.../David Westerville
scott.13@osu.edu

VA3LDN   :!4257.24n\08116.40w#phg5340/wide-wide. London
Amateur Radio Club digi

VE3UEX   :=4422.077/07939.721-dave in barrie-808-

VE4GLS   :!4924.06W/09718.21N-PHG5280/Gord's APRS signal
from Morris 144.39MHz

VE7RSJ   :!5616X58NN12111.02W#/FSJ APRS DIGIPEATER
(RELAY,TRACE,WIDE) 2

W0MI-3   :!/3758.31N/10053.75W#PHG550/APRS DIGIPEATER
(UIDIGI 1.7) 2

W6AMH   :=3503.84N/11756,86W-
000/000/W6AMH@YAHOO.COM

W6CX-3   :!3748.57NN12203.41w#PHG7550/A=002380/Rocky
Ridge, W of Danville

WA0VRS   :!3900.19n/09544.54W#PHG9260 Topeka, KS

WK5R-11   :!3245.30n/09601.97wPHG8560 VanZandt County Wide
area Digipeater

WV0T-9   :!3900.12NT09434.17#PHG5560/W-R TRACE Digi KPC-
3 V8.2 Kansas City MO

73,
Byon
_____
 Byon Garrabrant   N6BG   byon@mail.com

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933. [aprssig] first.aprs.net down?

From: Jon Anhold <jon@snoopy.net>
Date: Sat, 24 Feb 2001 04:32:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k4hg@tapr.org
Message-ID: <LYR842-137153-2001.02.24-03.48.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It appears that first.aprs.net is down?

-j

--
Eat right. Stay fit. Die anyway.

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934. [aprssig] Jeff Reinhardt AA6JR--a bit off topic

From: "Alan Heaberlin" <amh@as.net>
Date: Fri, 23 Feb 2001 22:27:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137147-2001.02.24-00.39.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just saw a local news show (LA, but not too far away from California City)
with Mr. Reinhardt discussing congestion on the 101 freeway to Ventura.
First time I ever saw his name without a callsign attached! He didn't even
have an antenna beanie on!
Alan Heaberlin W6AMH

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935. [aprssig] Re: [htaprs] THD-7AG Packet Terminal Program?

From: John Blowsky <kb2scs@optonline.net>
Date: Sat, 24 Feb 2001 09:27:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137184-2001.02.24-08.49.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Paul
             You already have a simple packet terminal program.
It is called Hyper Terminal. If it is not in your Accessories/Communications
folder you can add Hyper Terminal by going to the Add Remove programs
applet located in the controll panel folder.

Personaly I like the old Win3.1 Windows Terminal program better.
Which is what I use for Simple AX25 Packet. Yes this old program works with
Windows 95,98.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@arrl.net

----- Original Message -----
From: Paul Weiss <p_weiss@yahoo.com>
To: TAPR Hot Technology APRS <htaprs@lists.tapr.org>
Sent: Saturday, February 24, 2001 1:23 AM
Subject: [htaprs] THD-7AG Packet Terminal Program?

> Hello,
>
> Has anyone have any thoughts on a good Windows packet terminal program for
> the THD-7? I would like to use my laptop and D7 while on the road to not
> only do WinAPRS but also packet.
>
> Thanks
>
> 73's Paul KC7FYQ
>
> ---
> You are currently subscribed to htaprs as: kb2scs@arrl.net
> To unsubscribe send a blank email to leave-htaprs-21141X@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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936. [aprssig] Re: Addition to Calendar

From: James Smith K9APR <k9apr@tawg.org>
Date: Sat, 24 Feb 2001 09:39:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137186-2001.02.24-08.55.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can add this to your calendar. Future schedule of Indiana APRS
demo's so far.

Terre Hatue, Indiana - April 6th.
Evansville, Indiana - April 12th.
Bedford, Indiana - May 1st.

All the demo's above will be given by me. Total mileage for the demo's
890 miles. I must like to drive or like APRS Huh?

Dayton Hamvention Annual Tri-State APRS Working Group " APRS Pizza Party
" May 19th.

I'm in the process of confirming several other presentations that will
be giving during the yr.

Hope this gets you started.

--
73, James, K9APR
Chairman \ Coordinator
Tri-State APRS Working Group
http://www.tawg.org
Run a APRS Website? Why not join the APRS Webring.
http://www.tawg.org/join.htm

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937. [aprssig] Banning "Connected" modes through a Digi

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 24 Feb 2001 09:41:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137187-2001.02.24-08.57.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,
I wish to setup a Digi-only TNC. No BBS, no connections allowed to it
other than remote contol. All I want it to be able to do is digipeat.

Has anyone identified all of the TNC parameters that one must change in
order to assure that no "connected" traffic is generated by a TNC (no
"BBS" or "Connect Via" traffic allowed)? Frankly, I'm interested in
both the KPC-model *and* TNC2-clone commands (maybe they're common to
both?).

Ev, W2EV

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938. [aprssig] RE: (thanks) want to run APRS DOS programs need DOS

From: Dale Coleman <kf4sir@earthlink.net>
Date: Sat, 24 Feb 2001 14:47:19 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137198-2001.02.24-11.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all, just a quick note to say thanks to all that replied to my post (ID
60561) looking for a legal copy of DOS.

I received some great tips and links and one of the more interesting was:
http://www.drdos.org There is some history and other info on Open DOS and
DR-DOS.

Download at:
ftp://ftp.lineo.com/pub/drdos/ (start here and work your way up the tree).

If you read the license at:
ftp://ftp.lineo.com/pub/drdos/LICENSE.TXT
You might become a bit confused by "The evaluation period for use by or on
behalf of a commercial entity is limited to 90 days; evaluation use by
others is not subject to this 90 day limit but is still limited to a

reasonable period." what the heck is reasonable period? Do I need to buy
a license if I want to use the software for the next 2 years? How? They
won't sell less then 50 Licenses at a time.

Perhaps the only practical way for a single user to get a completely legal
copy of DOS is to buy a surplus shrink wrapped box from some source like
e-bay or maybe a computer store that has some old inventory.

73 Dale kf4sir

-
Dale Coleman
kf4sir@earthlink.net
http://home.earthlink.net/~kf4sir

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939. [aprssig] APRS CONFLAGRATION, a Field Game

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 24 Feb 2001 12:32:28 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137199-2001.02.24-11.48.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Keeping the FUN in HAM radio. Here is an idea for your FD, SCOUTS,
RADIO CLUB or KIDS club as a way to practice communications skills
and have LOTS of fun.   (HINT: its "CLUE" over the air)

GAME TITLE: "APRS CONFLAGRATION"

OBJECTIVE: A Radio FIELD game, FUN for Kids and Adults alike. Do this
for something different for your outdoor HAM radio activities... (you do
not need APRS, just a radio)...

BACKGROUND: There is a disaster. You have to figure out WHAT it is,
WHERE it is happening, and WHO is not yet on the scene.   This game
can be played Oudoors over miles, over acres, or in your yard. There
are degrees of implementations to match your players, ages, skills or
venue.

Think of the Classic Game of CLUE played outdoors!

WHAT	WHERE	WHO is missing
Crash	Bridge	Fire Department
Explosion	Campground	Engineers
Fire	Capital	Hazmat Team
Flooding	Interstate	Medics
Riot	Mall	Police
Terrorists	Park	Tow Trucks
	Stadium	
	University	
	Waterfront	

PARTICIPANTS: All that participants need are a radio and pen/paper.

PREPARATION: Prepare 21 cards as above, remove one of each category,
and place these three in the "EOC". Shuffle and deal the remaining
cards to each location (two cards each). No one should see any of
the cards. Deliver the cards to each location. (Or deal to players...
see options).

PLAY: There are many ways to adapt this game to the age and skills of
your players or your geography and venue. As you can see, the
objective is to visit the locations and learn enough info to be able
to accurately discern WHAT HAPPENED, WHERE and WHO is missing.

COURSE: Set up a Net Control in the "EOC". Layout the 9 locations
spread out over your area of activity (say in a Park, or field,
camp, or city, or neighborhood). At each location, be sure there is a
nice place to leave the cards. There are also three other locations
which you may or may not want to establish: the DUNGEON, a MOUNTAIN,
and/or a JAIL.

MOVES: Net control rolls the dice for each player in turn and advises that player of his next move. There are many ways to implement a move:

DISTANCE: Each roll of the dice equals so many feet, steps or miles.
MARKERS: Place N numbers of flags in the field along the paths between each of the locations. THe die roll says how many flags you can go
LOCATION: Each location is given a number 3-11. Two die are used to see where you go next. If you roll snakes eyes, you go to the DUNGEON (where your radio cannot get out), or to JAIL (where they take away your radio), or If you roll a pair of 6's, you go to the mountain top (where QRM, INTERMOD and OVERLOAD prevent you from playing for one play.

INFORMATION: There are many ways to gather, or share information again depending on the skill, speed or experience of the players. Here are two possibilities:

SHARED: As each player arrives at a location, he looks at either ONE or BOTH cards and reveals (ONE or BOTH) over the radio for the benefit of all other players. For a long game each player only looks at one and reports. FOr a short game they look and report both. For an intermediate game they look at both but only report one. etc...

TEAMS: Teams share information over QSY freqs

ALONE: Each player is on his own. Not very intellectually challenging, since it is simply required for everyone to visit all locations to see all cards for a solution. But this might be good for kids 10 and under...

SOLUTION: THe player that offers the "SOLUTION" wins the game. You may have options on where or when he may offer the "SOLUTION" again depending on the length of the game and skill levels. Some possibilities:

EOC: He must "move" to the EOC
TURN: He may make it at any time when it is his move.
RACE: First one that gets to the EOC with the correct answer
ETC....

OPTIONS: Another way is for the cards not to be placed in the rooms, but dealt to all the players. Just like in the game "CLUE", players must move to a room where they can make a "GUESS" THey announce their guess and any person who has that card must reveal it. Options here are:

FAST: If anyone has the card then they must reveal one (or all)
ORDER: Players have a sequence number, and only the players following him in sequence must reveal one (or more) cards
QSY: Players QSY to get the answer either from other players or EOC

FREQUENCIES: THere are many ways to use frequencies. I think in terms of using the 14 channels of FRS, since this game will be most popular with SCOUTING and KIDS clubs, etc where not all players are licensed.

ONE FREQ: Everyone on one freq.
TEAMS: Teams are on different frequenceis

PLAYERS: Each player is assigned a channel. He must stay there The EOC alerts him to his move. If he makes a guess, he must QSY to the next player in turn to ask if he has the card... etc...

CHAOS: Just let them do whatever they want and learn how hard it is without a NET control... (probably impossible)

ROOMS: Each room has a freq. You must QSY to that ROOM'S FREQUENCY when you get there to mkae a GUESS. Someone at EOC will reply with the answer. This method is good for PUBLIC places where physical cards cannot be left in the location because they will get lost... But it needs an AGILE team at EOD..

PL: To get newbee's to radio (FRS outdoorsmen and campers) YOu can assign PL's to certain functions and they will LEARN that they learn more by holding the MONITOR button and listening to the channel first.

APRS: ANd of course, you can do ANY or ALL of the above with APRS and
more! No end of imaginative ways to use APRS for things that move and
must share information..

    INDOORS: Play it all on the screen from the comfort of your shack.
              Place and Move objects. Reveal or dont reveal clues...
              etc... EOC runs the game...
    MOBILES: Make it a road rallye in your GPS vehicles. FIrst good
              solution wins, or least milage traveled wins.
    GPS: See my other postings about ways to use GPS in Road Rallyes
    HT's: Combine the field event above with D7's and send the clues
              via APRS messages and Bulletins.

    DFing: Include DFIng in the search for clues...

There are so many ways to play this game, and you can involve so many
aspects of RADIO COMMUNICATIONS depending on the interest and skills
of the players. Setting up the game to match those skill levels is
the KEY to a very stimulating and challenging game... ANd once it is
played, you can do it AGAIN by just shuffeling the cards! You dont have
to lay out a new course...

WOW! We will use this at FD to break the monotony of the visiting kids
and NON-HAM family members... Our FD park has lots of paved bike
trails running everywhichway and so we can mark off moves by tying
small ribbons on branches between all the locations. ALso for the
kids we will be doing tw FOX hunts. One with clues (dont need DF) and
the other using DFing techniques...

THe KEY here is that we talk about disaster preparedness, and we talk
about emergency response, but sometimes its a LONG time between disasters.
THis game of APRS CONFLAGRATION is a way of simulating your own
communications exercise at a time and in a venue convenient for your
event... Recruiting for HAM radio is one thing. RETENTION of interest is
another...

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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940. [aprssig] Re: FW: Standarized Tracker Connections

From: "Lee Ciereszko" <n4tcw@yahoo.com>
Date: Sat, 24 Feb 2001 12:55:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137201-2001.02.24-12.14.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The problem w/pin 9 is that the Tripmate USES it for power(Tripmate is NOT
13.8V in)

                Brian wrote:
     Why pin-4 here or the other guy who said pin-7 for V+. The Tripmate
which is very common has pin-9 as V+ and so do a few other items ...
wouldn't that be better? As far as I know pin-9 on a DB9 is unaccounted
or under most implementations ... it seems that would be a better choice
...

Lee Ciereszko   N4TCW

Find Lee: http://map.findu.com/n4tcw

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941. [aprssig] Re: Banning "Connected" modes through a Digi

From: Doug Bade <doug@ohioaprs.net>
Date: Sat, 24 Feb 2001 13:16:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-137203-2001.02.24-12.30.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well start with   CMSG DISC will drop all connects...
                         CTEXT "some polite message telling them they are
being dumped..."
                         PBBS 0 prevents pbbs connects..(zero BTW)
These are what I use on KPC family.. Doug KB8GVQ

At 09:41 AM 2/24/2001 -0500, you wrote:
>Hi Folks,
>I wish to setup a Digi-only TNC. No BBS, no connections allowed to it
>other than remote contol. All I want it to be able to do is digipeat.
>
>Has anyone identified all of the TNC parameters that one must change in
>order to assure that no "connected" traffic is generated by a TNC (no
>"BBS" or "Connect Via" traffic allowed)? Frankly, I'm interested in
>both the KPC-model *and* TNC2-clone commands (maybe they're common to
>both?).
>
>Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

942. [aprssig] For TH-D7A(G) Owners.....

From: Peter Anderson <panderson@CenterPartners.com>
Date: Sat, 24 Feb 2001 11:44:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137206-2001.02.24-12.59.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know there are three status texts for the HT but how do you change from
one to another? I have read the manual with no success, can anyone help?

PS: I have found the reason for the deaf HT, QRM on 144.390. An SMA-3 from
commet antenna or an external antenna does the trick to. Just a word of
thanks to all who offered the help on the lists.

Peter Anderson
http://www.findu.com/cgi-bin/find.cgi?N0WRE
(Home)
http://www.findu.com/cgi-bin/find.cgi?N0WRE-1
(Work)
http://www.findu.com/cgi-bin/find.cgi?N0WRE-2
(Chestpack)
http://www.findu.com/cgi-bin/find.cgi?N0WRE-3
(Mobile)

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943. [aprssig] inferring speed from GGL

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 24 Feb 2001 13:57:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137207-2001.02.24-13.11.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

anyone know of a program that can take a series of $GPGGL's and give me the
speed and heading between each of the two points?

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

944. [aprssig] Re: Banning "Connected" modes through a Digi

From: WA8LMF1@aol.com
Date: Sat, 24 Feb 2001 14:43:10 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137214-2001.02.24-13.59.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/24/01 6:50:06 AM Pacific Standard Time,
w2ev@rochester.rr.com writes:

> Has anyone identified all of the TNC parameters that one must change in
> order to assure that no "connected" traffic is generated by a TNC (no
> "BBS" or "Connect Via" traffic allowed)? Frankly, I'm interested in
> both the KPC-model *and* TNC2-clone commands (maybe they're common to
> both?).

Wouldn't the simplest approach be to install the UIDIGI freeware code (that
makes a TNC2 a dedicated APRS digi) into a TNC2 clone? That would guarantee
that conventional packet of all types would be ignored. Or do you need to
pass packets other than APRS?

Stephen H. Smith
Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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945. [aprssig] Thanks Again

From: Peter Anderson <panderson@CenterPartners.com>
Date: Sat, 24 Feb 2001 12:49:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137215-2001.02.24-14.04.28--lyris.aprssig#tapr.org@lists.tapr.org>
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I have the information I need thanks to all who responded.

Peter

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946. [aprssig] Re: Addition to Calendar

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 24 Feb 2001 14:53:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137216-2001.02.24-14.21.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:39 AM 2/24/01 -0500, James Smith K9APR wrote:
>You can add this to your calendar. Future schedule of Indiana APRS
>demo's so far.
>
>Terre Hatue, Indiana - April 6th.
>Evansville, Indiana - April 12th.
>Bedford, Indiana - May 1st.
>
>All the demo's above will be given by me. Total mileage for the demo's
>890 miles. I must like to drive or like APRS Huh?

Projector panel thingy available, you need to supply Overhead projector.

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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947. [aprssig] Digipeating only UI-frames -- Info so far

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 24 Feb 2001 15:10:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137217-2001.02.24-14.25.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a quick recap...
I have an interest in setting up a digipeater that simply digipeats
UI-frames and doesn't digipeat "Connect via" or BBS traffic, while still
allowing TRACEn-N digipeating of UI-frame packets.

Here's a synopsis of the responses that I've gotten so far.

CMSG DISC will drop all connects...
CTEXT "some polite message telling them they are being dumped..."
PBBS 0 prevents pbbs connects..(zero BTW)
USERS 0
CONOK OFF

PS for KPC+
DIGI OFF will disable digipeats on MYCALL, MYALIAS, MYNODE

I'd rather defer the pro's and cons of why one would want to do this on
APRS...because the application isn't APRS (grin). It's for APRS'
kissin' cousin, BEACONet...where we don't want a lot of non-posit-based
traffic on the frequency.

Thanks to John, Valentino and Doug, btw.

Regards to all,
Ev Tupis, W2EV

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948. [aprssig] Telementry Tracking

From: "VE3DTV" <ve3dtv@mountaincable.net>
Date: Sat, 24 Feb 2001 15:54:00 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137232-2001.02.24-15.01.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All Sig.

Has anyone used the feature of external telemetry tracking with a D700. If
so
would you share the connections made to the D700.

Peter.

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949. [aprssig] Re: APRS and tickets

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 24 Feb 2001 15:29:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137234-2001.02.24-15.44.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:16 AM 2/24/01, Christopher E Phelps wrote:

>Hello,
> Has anyone out there used there APRS data as proof against a speeding
>violation

I'll do a little armchair lawyering here. The answer to the above is, I doubt it - at least not as legally binding proof. Although, it wouldn't hurt to mention it to a Judge if you choose to go to traffic court. It is his decision to believe you or not.

Although technically judges are supposed to rule on statute, why then do they give law students books on case law? :)

>The officers radar had me twelve miles over when my APRS at the
>same time had me two over. I know I was not as fast as he said, being I had
>just looked at my speedometer a few seconds before and was in the thirties,
>as well as I had just recently turned onto the street from a total stop a
>few tenths back.

  Did you note the serial number of the radar gun at the time you were ticketed? Did the officer put that information on the ticket?

Your best defense in not in APRS, but probably in challenging the validity of the readings of the radar unit itself, and the training the police officer has with such a device. There have been a number of publications and web sites detailing how to go about that. Ask questions like when was the radar gun last calibrated by a qualified technician? How much classroom and field training does the officer have with using that particular radar? Where there any other factors that may have caused the radar to read high?

The problem is that many (if not most) states don't have provisions for "discovery" in a traffic court, so you may not be able to get these answers before going to or even admitted to in a traffic court proceeding.

My advice: Pay the ticket. Go to traffic school to get the points taken off your license. If you do fight it in traffic court you will probably lose. The judge most likely will drop the fine, but the citation and points will still stand against your license.

73,

Mark
KC7BXS

Note: I am not a lawyer, but my company, Compukota, specializes in providing computer services for the legal professions, so I've spent a lot of time around lawyers and judges/justices of the peace and have spoken at length with them about these subjects. Now if it were Photo Radar, I would contest the ticket based on (State) constitutional grounds. In most states where Photo Radar is being used, the ticket is being issued via US Postal Service normal mail - which in many states is an improper summons.

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950. [aprssig] APRS and tickets

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Sat, 24 Feb 2001 10:16:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137193-2001.02.24-11.31.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,
 Has anyone out there used there APRS data as proof against a speeding violation The officers radar had me twelve miles over when my APRS at the same time had me two over. I know I was not as fast as he said, being I had just looked at my speedometer a few seconds before and was in the thirties, as well as I had just recently turned onto the street from a total stop a few tenths back. The biggest problem I see is convincing the judge that the utc time on the APRS is thae same as the mst time on the ticket. You can answer me off sig if you like.
pce1@uswest.net

Chris

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951. [aprssig] Re: Banning "Connected" modes through a Digi

From: WA8LMF1@aol.com
Date: Sat, 24 Feb 2001 16:51:54 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137237-2001.02.24-16.10.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/24/01 11:55:53 AM Pacific Standard Time,
w2ev@rochester.rr.com writes:

> Possibly so, Stephen. My need is for a TRACEn-N capable digi (hence the
> need for KPC-model commands. Will the UIDIGI code support that to your
> knowledg?

I think it does. (I have passed a transmission with TRACEn-N through a
UIDIGI-equipped MFJ-1270 sucessfully). Check out the description of UIDIGI
at his site and download the free software and documentation.

Again, I will mention that I can program UIDIGI EPROMS if you send me the
code overlay you want programmed. (UIDIGI stores the system's call, default
paths, and other parameters "in stone" in a custom programmed 27512 EPROM
that contains custom settings overlaid on the base UIDIGI code. You can edit
the suppied txt file to indicate your preferences and then email it to me.)

Links to UIDIGI on my useful links page:
  http://members.aol.com/wa8lmf

Click on "Useful Links" at the top of the home page, and then scroll down to
the Ham Radio paragraph

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952. [aprssig] E-mail Reflector Problems?

From: "Gary V. Smith" <gvsmith@skyenet.net>
Date: Sat, 24 Feb 2001 17:08:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137238-2001.02.24-16.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Sig Members,

I don't know if this is still a viable thread, but I happened to notice the
order and times of the last two entries on my e-mail download this
evening. Apparently Mark is heads up and was able to get his answer to
Chris' question in ahead of the question itself.

```
[*]     [ ]     SSloane904@aol.com      03:56 PM 2/24/01 -0500   3      [Icom] IC-735
[*]     [ ]     Les Rayburn             02:26 PM 2/24/01 -0600   4      [Lowfer] RED on QRSS; Copies
XM(GR) and JDH
[*]     [ ]     Anonymous FTP user      09:07 PM 2/24/01 +0000 3        WWV-Message
[*]     [ ]     Mark Fellhauer          03:29 PM 2/24/01 -0600   6      [aprssig] Re:  APRS and
tickets
[*]     [ ]     Christopher E Phelps    10:16 AM 2/24/01 -0700   4      [aprssig] APRS and
tickets
```

This may not even be a relevant discussion now. I thought it seemed to
demonstrate a point that some had been trying to make.

73,
Gary - KD6RXT
Dowagiac, MI

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953. [aprssig] Re: FW: Standarized Tracker Connections

From: "Alton" <n5psp@n5psp.org>
Date: Sat, 24 Feb 2001 16:21:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137239-2001.02.24-16.40.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 24 Feb 01, at 12:55, Lee Ciereszko wrote:
> The problem w/pin 9 is that the Tripmate USES it for power(Tripmate is NOT
> 13.8V in)

Brian wrote:

Dittos. It's about 6 volts. 13.8V will definitely smoke the Tripmate.
Also I think pin 4 is driven to about +5 to turn the Tripmate on.

> Why pin-4 here or the other guy who said pin-7 for V+. The Tripmate
> which is very common has pin-9 as V+ and so do a few other items ...
> wouldn't that be better? As far as I know pin-9 on a DB9 is unaccounted
> or under most implementations ... it seems that would be a better choice
> ...
> Lee Ciereszko N4TCW
>
> Find Lee: http://map.findu.com/n4tcw

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954. [aprssig] RE: Re: FW: Standarized Tracker Connections

From: "Brian B. Riley" <brianbr@macconnect.com>
Date: Sat, 24 Feb 2001 17:56:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137246-2001.02.24-17.11.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NO, not a problme, pin-9 connect to the center unused pin of the power
connector on the tripmate, you install a 7805/78l05 inside the tripmate
using an old sound card connector and it replaces the battery connection
taking 13+V in and giving 6volts to the Tripmate ...

> -----Original Message-----
> From: Lee Ciereszko
> Sent: Saturday, February 24, 2001 12:56 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: FW: Standarized Tracker Connections
>
>
> The problem w/pin 9 is that the Tripmate USES it for power(
> Tripmate is NOT
> 13.8V in)

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955. [aprssig] Re: PSK31 on FM, and all that...

From: "Alton Teague N5PSP" <n5psp@n5psp.org>
Date: Sat, 24 Feb 2001 17:33:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137255-2001.02.24-17.52.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 21 Feb 01, at 17:04, Jeff King wrote:
> Bob Bruninga wrote:
>
> > This makes one's 10 W VHF SSB transmnitter running PSK-31 equivalent to a
> > 10 KW VHF FM station. Now that is worth doing... hi hi...
> > But the end of the earth is only tens of miles away on VHF, so why
> > bother...
>
> Don't forget about tropo scatter, which becomes a very real and very

> reliable method of communictions on VHF at those system gains.

Or EME (moonbounce), where the path loss is stupendous to
begin with. Imagine running true linear PSK-31 on 2 meters, 70cm,
33cm, 23cm, or 2.4 ghz.

Only thing we need now is to find a way for more folks to get a few
dozen acres in the country to set up the antennas required -
hehehe.

> Wonder if the warbler would scale up to 6 meters?
>
> -Jeff

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956. [aprssig] Re: Banning "Connected" modes through a Digi

From: WA8LMF1@aol.com
Date: Sat, 24 Feb 2001 20:10:51 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137262-2001.02.24-19.25.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/24/01 2:03:58 PM Pacific Standard Time,
jeff@aerodata.net writes:

> I thought it was a 27C256? Or at least that is all it required.

You are right, just lost track of the ever expanding size of PROMS! In fact,
I have burned UIDIGI -and- the standard TNC-2 code into a '512 and use a
panel-mounted toggle switch to select the last address line so that I can
switch the TNC between UIDIGI mode and normal mode for calibration, etc.

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957. [aprssig] APRS and speeding ticket

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Sat, 24 Feb 2001 18:25:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137263-2001.02.24-19.48.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

thanks to all that responded to my inquiry, I'm just sorry there where some negative reactions to some responses. The point is, I never installed my tracker for this purpose. In the thity yrs I have been driving I have never gotten one or been stopped for one. My main purpose was that my truck was a prime target for the Mexican parts market and being a few hundred miles from the border, it gave me some reasurance that if it headed that way without me, I had a good chance of knowing it. Last year when I came back from my trip to the east coast, my coworkers had a bunch of findu maps above my workbench with question marks by the open highway speeds of 35 to 60 with the word (speeding?) . well there are alot of construction areas in the north east coridor that time of year where you had to slow down, but like I said , that does make me concous of my speed. But the way most people drive in this town its hard to not go with the flow. I have had everything from school buses to cop cars (not after someone) pass me by as if sometimes I was standing still., so it is hard not to sometimes go with the flow as they say.
but I don't want to get nailed for something I didn't due, just cause someone has a quota to meet.
We are in a city with a military base, so the judge may be familar with the diference between utc and local time. Gonna try it. if it works, it works. have a better chance than if I didn't have the APRS. She might know about it from the coverage we had durring the Balloon Fiesta, where the gas ballons in the Gordon Bennet race where tracked with our APRS system and shown on local tv.
Thanks for your input
Chris

958. [aprssig] messages

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Sat, 24 Feb 2001 18:32:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137264-2001.02.24-19.48.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ps I had sent a msg on this subject of mine a couple times in the past week. Todays was the first to show and none of the others ever came back as not delivered. just an observation.

Chris

959. [aprssig] Re: APRS and tickets

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 25 Feb 2001 13:29:17 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137267-2001.02.24-20.44.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Feb 24, 2001 at 10:16:04AM -0700, Christopher E Phelps wrote:
> Has anyone out there used there APRS data as proof against a speeding
> violation The officers radar had me twelve miles over when my APRS at the
> same time had me two over. I know I was not as fast as he said, being I had
> just looked at my speedometer a few seconds before and was in the thirties,
> as well as I had just recently turned onto the street from a total stop a
> few tenths back. The biggest problem I see is convincing the judge that the
> utc time on the APRS is thae same as the mst time on the ticket. You can
> answer me off sig if you like.

Good luck Chris.

I think the biggest problem is that since APRS is only sending your
position etc every few minutes, it is only a sample of your speed etc.
Your peak speed could have been higher and that would not be obvious
from the APRS telemetry. Although that works in your favour, it
does really mean that the telemetry is not relevant (IMHO).

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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960. [aprssig] RE: (thanks) want to run APRS DOS programs need DOS

From: Mike <mboyce@kc.rr.com>
Date: Sat, 24 Feb 2001 21:20:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137270-2001.02.24-21.34.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a shrink-wrapped copy of IBM DOS 3.3 and 5.0 that I
would be happy to ship out if interested.
Please contact me off-sig....

k0coy@amsat.org
Mike

73
Mike
k0coy@amsat.org
mboyce@kc.rr.com

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961. [aprssig] Re: APRS and tickets

From: "Richard Amirault" <ramirault@erols.com>
Date: Sat, 24 Feb 2001 22:28:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137278-2001.02.24-21.47.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the "biggest problem" is that the APRS data shown to the judge is
that it is just a list of numbers. A list that anyone could have typed by
hand to say anything they wanted to say. It does not legally "prove"
anything.

In other words how can you *prove* beyond a doubt that the data you present
is in fact the data that came from your APRS system, exact and
un-modified? You can't.

Richard Amirault N1JDU Boston,

MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Hamish Moffatt" <hamish@cloud.net.au>
Subject: [aprssig] Re: APRS and tickets

> I think the biggest problem is that since APRS is only sending your
> position etc every few minutes, it is only a sample of your speed etc.
> Your peak speed could have been higher and that would not be obvious
> from the APRS telemetry. Although that works in your favour, it
> does really mean that the telemetry is not relevant (IMHO).

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962. [aprssig] Re: APRS and tickets

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 24 Feb 2001 22:21:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-137281-2001.02.24-22.36.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:29 PM 2/24/01, Hamish Moffatt wrote:

>I think the biggest problem is that since APRS is only sending your
>position etc every few minutes, it is only a sample of your speed etc.
>Your peak speed could have been higher and that would not be obvious
>from the APRS telemetry. Although that works in your favour, it
>does really mean that the telemetry is not relevant (IMHO).

At 09:28 PM 2/24/01, Richard Amirault wrote:

>I think the "biggest problem" is that the APRS data shown to the judge is
>that it is just a list of numbers. A list that anyone could have typed by
>hand to say anything they wanted to say. It does not legally "prove"
>anything.

Both very good arguments. But I'd have to give the point to
Hamish. There's a lot of speeding that can be done in a minute or two.

OTOH, AVL telemetry could be entered into evidence, and evidence a judge
has to consider, if you were to have the data compiled and analyzed by a
disinterested 3rd party and that analysis was in a sworn notarized
statement.   I used to do this quite a bit with environmental samples.
That will not happen until there is a lot more case law with AVL telemetry
though, and the higher courts consider it "hard" evidence.   And then
again, that may never happen.

I can think of two scientific discoveries that until recently could not be
considered by the courts as hard evidence: DNA fingerprinting and blue
spectrum bitemark analysis (still in dispute by the ASTM). And both still
are fairly controversial.   I would consider them both still to be
presumptive evidence and not hard evidence, but juries are convicting on
this evidence alone and courts are allowing it.

73,

Mark
KC7BXS

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963. [aprssig] Re: APRS and tickets

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 24 Feb 2001 22:30:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137286-2001.02.24-22.45.09--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Almost forgot my main point. Many new cars are coming equipped with "black
boxes" (at least 7 million GM vehicles to Date) and the data from those are
already appearing court cases in an attempt to asses blame for
accidents. Considering some cars also come equipped with now standard with
GPS, how long will it be before the two are intergrated?

This could get intersting really fast.

http://www.lawnewsnetwork.com/stories/A2024-1999Jun4.html

73,

Mark
KC7BXS

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964. [aprssig] WinAPRS 2.4.8(?)

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 24 Feb 2001 22:35:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137296-2001.02.24-23.50.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Two things,

Looks like aprs.rutgers.edu is down - tracert gets as far as
busch-gw.rutgers.edu [128.6.227.6] and dies. Anyplace else have a mirror
of the maps1 and maps2 folders on the rutgers FTP server?

Also, is it just a rumor or me having a halucinatin - is there a 2.4.8
out there someplace? Where is it? Even when I could get into the rutgers
server - didn't see it there. Could be me, but I swear I saw it once, a
dream maybe?

Thanks!

73

--
              Laramie, WY | UARC Repeater
                DN71eh | 146.610
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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965. [aprssig] RE: aprs.net statistics and bad data

From: "George Kammerzell Jr. n0zed" <n0zed@rmaprs.org>
Date: Sun, 25 Feb 2001 00:18:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137318-2001.02.25-01.32.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ZED-5 wont respond to the sysop function and I dont want to kill it, am
waiting for a snow cat ride to go up and replace the KPC with tnc II /
unidigi

-----Original Message-----
From: bounce-aprssig-17112@lists.tapr.org
[mailto:bounce-aprssig-17112@lists.tapr.org]On Behalf Of Byon Garrabrant
Sent: Saturday, February 24, 2001 2:16 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] aprs.net statistics and bad data

N0ZED-5   :!3953.62N/10525.14#PHG4711/Thorodin Mtn Digi
www.rmaprs.org

N

73,
Byon
_____
Byon Garrabrant N6BG byon@mail.com

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966. [aprssig] Re: APRS and tickets

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Sun, 25 Feb 2001 00:35:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137319-2001.02.25-01.50.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

True, but my readout was at the same time he wrote on the ticket that I was speeding. Another point that was mentioned before about the readout of NMEA on a GPS being different.. When I first was running APRS with my Garmin 12 XL, I would compare the mph readout to my speedometer and they were always within a mile or two of each other. I find the same is true with my Etrex, which I have used bicycle moble at times wiith my Alinco DJ-S11 which I carry almost all the time. It was also mentioned about the posibility I was on my rig at the time, the answer is no. I rarely get on while mobile especially durring rush hour.I only have an amp in the truckand since I got the Alinco, I forget to take one of my other radios along and it won't connect to the amp.It doesnot work to well from inside the truck.with its telescoping ant. and 300mw. I do however, turn my regular radio on to get the lastest traffic reports when to and from work.
----- Original Message -----
From: Mark Fellhauer <sparkfel@primenet.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: Hamish Moffatt <hamish@cloud.net.au>
Sent: Saturday, February 24, 2001 9:21 PM
Subject: [aprssig] Re: APRS and tickets

> At 08:29 PM 2/24/01, Hamish Moffatt wrote:
>
> >I think the biggest problem is that since APRS is only sending your
> >position etc every few minutes, it is only a sample of your speed etc.
> >Your peak speed could have been higher and that would not be obvious
> >from the APRS telemetry. Although that works in your favour, it
> >does really mean that the telemetry is not relevant (IMHO).
>
>
> At 09:28 PM 2/24/01, Richard Amirault wrote:
>
> >I think the "biggest problem" is that the APRS data shown to the judge is
> >that it is just a list of numbers. A list that anyone could have typed by
> >hand to say anything they wanted to say. It does not legally "prove"
> >anything.
>
> Both very good arguments. But I'd have to give the point to
> Hamish. There's a lot of speeding that can be done in a minute or two.
>
> OTOH, AVL telemetry could be entered into evidence, and evidence a judge
> has to consider, if you were to have the data compiled and analyzed by a
> disinterested 3rd party and that analysis was in a sworn notarized
> statement. I used to do this quite a bit with environmental samples.
> That will not happen until there is a lot more case law with AVL
telemetry
> though, and the higher courts consider it "hard" evidence. And then
> again, that may never happen.
>
> I can think of two scientific discoveries that until recently could not be
> considered by the courts as hard evidence: DNA fingerprinting and blue
> spectrum bitemark analysis (still in dispute by the ASTM). And both still
> are fairly controversial. I would consider them both still to be
> presumptive evidence and not hard evidence, but juries are convicting on
> this evidence alone and courts are allowing it.
>
> 73,
>
> Mark
> KC7BXS

>
>
> ---
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>
>

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967. [aprssig] Re: APRS and tickets

From: "Alton Teague N5PSP" <n5psp@n5psp.org>
Date: Sun, 25 Feb 2001 02:53:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137325-2001.02.25-03.13.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 24 Feb 01, at 22:28, Richard Amirault wrote:
> I think the "biggest problem" is that the APRS data shown to the judge is
> that it is just a list of numbers. A list that anyone could have typed by
> hand to say anything they wanted to say. It does not legally "prove"
> anything.

But isn't the burden of proof on the state to prove he was speeding,
since it is technically a criminal, not a civil case? It seems that the
APRS data would certainly introduce "reasonable doubt" as to the
charge of speeding.

> In other words how can you *prove* beyond a doubt that the data you present
> *is* in fact the data that came from your APRS system, exact and
> un-modified? You can't.

The accused doesn't have to "prove" innocence, period. The state
has to "prove" guilt "beyond reasonable doubt".

O.J. didn't prove innocence. He just cast enough reasonable doubt
(however shaky it was) to get off the hook.

But again, the state would have to prove the APRS data WAS
modified. With plenty of data before and after the incident to back it
up, it would certainly be an uphill battle to prove speeding.

It's where the burden of proof is at. At least that's the way it's
"supposed" to work although in practice it can be somewhat
different.

> Richard Amirault   N1JDU   Boston,
> MA, USA
> www.erols.com/ramirault   "Go Fly A Kite"
> ----- Original Message -----
> From: "Hamish Moffatt" <hamish@cloud.net.au>
> Subject: [aprssig] Re: APRS and tickets
>
>
> > I think the biggest problem is that since APRS is only sending your
> > position etc every few minutes, it is only a sample of your speed etc.
> > Your peak speed could have been higher and that would not be obvious
> > from the APRS telemetry. Although that works in your favour, it
> > does really mean that the telemetry is not relevant (IMHO).

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968. [aprssig] Banning Connected.....

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 25 Feb 2001 04:18:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-137326-2001.02.25-03.32.49--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Ev,
    It's been awhile so I had to think real hard. So test this first. But
you want CONOK OFF and as for the BBS etc. ON a Kantronics Product, just
use the % sign to disabvle any feature, ie: MYBBS % or MYNODE %.
Another thing you could do is: AWWW I cant remember the exact command, but
Somebody will I think it is CMSG Discon and CTEXT Sorry this is a digi
only, No Connected traffic, now disconnecting. The only one I'm noit sure
is the CMSG.

Hope this helps.

Lee/KD4TQZ

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969. [aprssig] TH-D7AG Owners

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 25 Feb 2001 04:22:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-137328-2001.02.25-03.36.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Peter once you select which one you want to use Hit the MHZ key. This will
put a star beside it and make it the one.

Lee/KD4TQZ

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970. [aprssig] PK-12

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 25 Feb 2001 08:38:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137338-2001.02.25-07.54.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got a Timewave PK-12 used that I plan to use to track the position of my boat. I am new to APRS
so I have a few questions.
1) The PK 12 is configured as DTE on the RS-232 port. My GPS (Magellan 315) comes with an RS-232 cable,
but is also DTE. I am thinking I need a null modem cable to connect the two.
2) The GPS software in the PK-12 doesn't look too hard to set up, but they indicate you need to set your
 call as callsign-9 to show up as a car on the APRS system.
Is there another number for boats? cars? airplanes? houses?
3) The PK-12 manual didn't really say anything about relaying? Is there a setting needed so the APRS
packets are automatically relayed by whatever digipeaters hear them?
4) Is there a convention for how often to send? I was thinking maybe every 10 minutes.

Thanks for your help,
Joe
N3HGB

971. [aprssig] Com Port Problems

From: Robert W Burton <kd4ydc@juno.com>
Date: Sun, 25 Feb 2001 08:57:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137340-2001.02.25-08.17.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not sure if I have a com port problem or what (maybe even a short in
the cable).
I notice that every so often the in coming packets on my laptop stop. My
station will tx and I hear the digi "receive" the packet and then
digipeat it. I can also do with the Dos APRS; O, C, T and it will not
see any incoming packets. Nor can I get a cmd: prompt. I can toggle the
F8 to switch the hsp cable to see the gps strings.   Any ideas?
Thanks,
Robert
KD4YDC

_____
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972. [aprssig] Re: Com Port Problems

From: "hasan schiers" <schiers@netins.net>
Date: Sun, 25 Feb 2001 08:17:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137342-2001.02.25-08.32.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob,

If you don't receive any packets at all, then you might have a problem. If
you simply don't see your own packets digipeated, but you "hear" them, then
it could be collisions among the digis. I have that happen all the time our
here in the sticks. Two digi's hear me and digi at the same time and kill
the packed.

If you don't see any packets from other stations (than your own), then
something else is wrong. It is very common when mobile, due to multi-path,
to send out packets, have them digi'd and then not copy the digi's packets
yourself...happens all the time.

73

hasan schiers, NØAN
schiers@netins.net

----- Original Message -----
From: "Robert W Burton" <kd4ydc@juno.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, February 25, 2001 7:57 AM
Subject: [aprssig] Com Port Problems

> I am not sure if I have a com port problem or what (maybe even a short in
> the cable).
> I notice that every so often the in coming packets on my laptop stop. My
> station will tx and I hear the digi "receive" the packet and then
> digipeat it. I can also do with the Dos APRS; O, C, T and it will not
> see any incoming packets. Nor can I get a cmd: prompt. I can toggle the
> F8 to switch the hsp cable to see the gps strings.   Any ideas?
> Thanks,
> Robert
> KD4YDC
>
> _____
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> Join Juno today! For your FREE software, visit:
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>
> ---
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973. [aprssig] Re: APRS and tickets

From: "The Germino's" <mgermino@inreach.com>
Date: Sun, 25 Feb 2001 06:09:21 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-137366-2001.02.25-10.39.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A little off subject, But I wonder how long before everyone will be required to have a GPS setup and will get a ticket by mail for speeding? There are already cameras at stop lights, that send out tickets. Just food for thought. We may be headed down a slippery slope.

Good luck with the ticket.

Mike
AD6AA

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974. [aprssig] HAAT calculator

From: Stan Horzepa <stanzepa@mail2.nai.net>
Date: Sun, 25 Feb 2001 11:36:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137367-2001.02.25-10.52.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

Dave Flack, W6DLF, passed this one along to me yesterday...

It is an FCC on-line HAAT calculator at
http://www.fcc.gov/mmb/asd/bickel/haat.html

FWIW, years ago, I calculated my HAAT using topo maps and an Excel spreadsheet and came up with an HAAT of 481 feet. Today, I used the on-line HAAT calculator and it came up with an HAAT of 669 feet. I guess there has been a lot of soil erosion around here since those topo maps were published!

Have Fun!

Stan, WA1LOU

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975. [aprssig] TNC Tracker settings

From: "The Germino's" <mgermino@inreach.com>
Date: Sun, 25 Feb 2001 10:07:54 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137375-2001.02.25-12.29.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is the second posting for this. I didn't get any thoughts on the subject the first time. I know this is not as sexy or exciting as some of our more colorful commentary, but I thought it might relive some of our congestion on the air. If different settings on the TNC won't make any difference, I am willing to be educated. I'm just a dumb Farmer playing radio and am still learning. My TNCs are KPC-3

After the recent discussion on the TX Delay I checked my settings and tried lowering mine. This got me thinking about the other settings, such as the "CD", mine is set on SOFTWARE. So are there any thoughts on optimizing the TNC with DWait,SWp or the such?

Mike
AD6AA
AD6AA-12

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976. [aprssig] Re: TNC Tracker settings

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 25 Feb 2001 13:27:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137376-2001.02.25-12.43.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mike,
Congrats on having KPC-3's. Arguably, one of the best TNC's available
for APRS use. (oh, that should start a thread or two <g>)

You already stumbled across the CD SOFT command. Although this may go
without saying, I'll say it anyway... with CD SOFT enabled, your squelch
may now run "wide open", rather than squelching the frequency from
background hash. Doing this will enable you to copy signals that are
much weaker than you originally thought would be possible. The only
thing that I've seem perform "better" are the TNC's that have had
hardware modification to do the same thing (the Kantronics does it
through software in the ROM).

It is for the above reason, in combination with the ability for
KPC-model TNC's to properly react to TRACEn-N digipeat requests, the
ability to run the TNC on v-e-r-y little electricity and it's ability to
be remotely managed that makes that model perfectly suited for use as
remote digi's.

Welcome to APRS!

Regards,
Ev Tupis, W2EV

The Germino's wrote:
>
> This is the second posting for this. I didn't get any thoughts on the
> subject the first time. I know this is not as sexy or exciting as some of
> our more colorful commentary, but I thought it might relive some of our
> congestion on the air. If different settings on the TNC won't make any
> difference, I am willing to be educated. I'm just a dumb Farmer playing
> radio and am still learning. My TNCs are KPC-3
>
> After the recent discussion on the TX Delay I checked my settings and tried
> lowering mine. This got me thinking about the other settings, such as the
> "CD", mine is set on SOFTWARE. So are there any thoughts on optimizing the
> TNC with DWait,SWp or the such?
>
> Mike
> AD6AA
> AD6AA-12
>
> ---
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977. [aprssig] Re: APRS and tickets

From: "Alton Teague N5PSP" <n5psp@n5psp.org>
Date: Sun, 25 Feb 2001 15:09:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137400-2001.02.25-15.29.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 25 Feb 01, at 6:09, The Germino's wrote:

> A little off subject, But I wonder how long before everyone will be required
> to have a GPS setup and will get a ticket by mail for speeding? There are

Gonna have hackers writing code to spoof the data I'm sure. It will
be a bigger black market than bootleg satellite TV decoders.

> already cameras at stop lights, that send out tickets. Just food for
> thought. We may be headed down a slippery slope.

Yep and about a year or so ago I heard about how the cameras

have CAUSED some really serious rear-end collisions (major
damage, serious injuries, maybe fatalities) due to drivers making
violent braking manuvers to stay out of the intersection when the
light turns yellow while coming up to it.

The reason is word getting around that the camera issues a ticket
if any part of the vehicle is in the intersection at the moment the
light turns red.

> Good luck with the ticket.
>
> Mike
> AD6AA

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978. [aprssig] Re: APRS and tickets

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 26 Feb 2001 08:19:39 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137401-2001.02.25-15.34.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Feb 25, 2001 at 06:09:21AM -0800, The Germino's wrote:
> A little off subject, But I wonder how long before everyone will be required
> to have a GPS setup and will get a ticket by mail for speeding? There are
> already cameras at stop lights, that send out tickets. Just food for
> thought. We may be headed down a slippery slope.

We have had permanent red light cameras in Australia for over 10 years.
There may even be some permanent speed cameras now, but permanent speed
cameras are not as effective as ones in unknown locations.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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979. [aprssig] MFJ 1270

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Sun, 25 Feb 2001 15:20:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137402-2001.02.25-15.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all:

A friend has asked me if the MFJ1270 is suitable for APRS. I
told him I didn't see why not, after all, APRS is packet
operating in the converse mode. Unfortunately, I neglected
to get the 1270 suffix - a,b,c,etc. of his machine. I
thought that perhaps I should get a second (or more) opinion
having used only and still using a Kam. Comments please.

Thanks de Glenn...VE4GN

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980. [aprssig] Re: WinAPRS 2.4.8(?)

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 25 Feb 2001 14:25:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137403-2001.02.25-15.40.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sure enough - it's there, me just be'n blind and habitual...

I didn't clue into the change in name formats - just skipped right past
it several times!

Thanks to all for the thwaks and pointers!

Got it now.

Tyler Griffiths wrote:
>
> Tate,
> Here was the anouncment.............
>
> Subject: [aprssig] NEW version of WinAPRS up on tapr
>   Date: Mon, 5 Feb 2001 11:03:45 -0500
>   From:Mark Sproul <msproul@jove.rutgers.edu>
>   To:"TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>
> I have placed a new version of WinAPRS, version 2.4.8 up on tapr
>
>   ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/
>

--
              Laramie, WY | UARC Repeater
                DN71eh | 146.610
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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981. [aprssig] Major IGATE page update

From: "Keith Maton" <feeklist@btinternet.com>
Date: Sun, 25 Feb 2001 21:45:20 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137405-2001.02.25-16.00.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings.

I have performed a major upgrade to the "Other UK IGATE" page at the MB7UIV
web site. Rather than being just a list is is now a nice map with all the
UK Internet gateways marked on. It gives a good visual indication of where
all the gateways are based and further details can be obtained by clicking
on each gateway.

To look at the page, go to http://www.mb7uiv.co.uk and click on the "Other
UK IGATE's" button on the left hand side.

For those who aren't aware, in order to run an IGATE in the UK, we have to
have special permission and use a special callsign (which is of the format
MB7Uxx). Hence it's handy to know what gateways are available and where.

73

Keith
--
Keith Maton, G6NHU
feek@bigfoot.com
Visit http://www.mb7uiv.co.uk, home of the first licenced APRS gateway in
the UK.
   - Careful with that Axe

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982. [aprssig] WinAPRS 2.4.8 Failed to create OCX

From: Skip Allison <sallison@megsinet.net>
Date: Sun, 25 Feb 2001 16:02:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-137407-2001.02.25-16.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I updated my main computer from 2.4.7 to 2.4.8 and had no trouble.
Today I updated my laptop from 2.4.3 to 2.4.8 and when I started WinAPRS
I got the message: Failed to create PMAP OCX control. So I loaded 2.4.7
and it worked just fine. But then tried the 2.4.8 upgrade again and got
the error message.
Am I doomed to stay with 2.4.7 from now on?
Am I doomed to stay with PM 3.0 from now on?

Skip
K9SA

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983. [aprssig] Re: MFJ 1270

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Sun, 25 Feb 2001 16:08:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137409-2001.02.25-16.30.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's a "C" model.

Glenn Wiebe wrote:
>
> Hello all:
>
> A friend has asked me if the MFJ1270 is suitable for APRS. I
> told him I didn't see why not, after all, APRS is packet
> operating in the converse mode. Unfortunately, I neglected
> to get the 1270 suffix - a,b,c,etc. of his machine. I
> thought that perhaps I should get a second (or more) opinion
> having used only and still using a Kam. Comments please.
>
> Thanks de Glenn...VE4GN

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984. [aprssig] KPC-3 Not The Plus

From: Zachary Michael <kb9uqq_2000@yahoo.com>
Date: Sat, 24 Feb 2001 17:30:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137410-2001.02.25-16.39.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gang,
If I got a regular KPC-3 and wanted to burn a chip with the latest
firmware, what kind of chip does it take? I need to know what kind it
is before I know if I can burn it. I already have the binary file for
it, so I am ok there. Just need to know what kind of chip it takes.
--
Thanks and 73's,
Zachary Michael, KB9UQQ, KB9UQQ-6, KB9UQQ-7, KB9UQQ-9, KB9UQQ-10
KB9UQQ-10 (Home)
http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-10
KB9UQQ-9 (Car)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-9

KB9UQQ-7 (D7A)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-7

KB9UQQ-6 (Laptop) http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq-6

KB9UQQ   (Home)   http://www.findu.com/cgi-bin/find.cgi?call=kb9uqq
40.25.51 N Degrees Latitude --- 085.15.29 W Degrees Longitude
Hartford City, Blackford County, Indiana
Zach's Homepage: http://www.kb9uqq.net/
Zach's APRS Resources: http://www.aprsinindiana.cjb.net/
TAWG Coordinator: http://www.tawg.org/
E-Mail: kb9uqq@tawg.org

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985. [aprssig] Re: APRS and tickets

From: Jeff King <jeff@aerodata.net>
Date: Sun, 25 Feb 2001 17:36:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137411-2001.02.25-16.52.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Germino's wrote:
>
> A little off subject, But I wonder how long before everyone will be required
> to have a GPS setup and will get a ticket by mail for speeding? There are
> already cameras at stop lights, that send out tickets. Just food for
> thought. We may be headed down a slippery slope.

Most folks don't realize this... privacy issues and all. Don't want that
thread to start up again, but the battle is one that is being fought day
by day and we are losing just a little more each day.

The time for the third war of independence may be upon us sooner then we
think. Or it already may have been fought and lost and we didn't even know
it.

-Jeff

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986. [aprssig] Weather data on findu.com

From: Gary Wells <gwells@nbn.net>
Date: Sun, 25 Feb 2001 17:36:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137412-2001.02.25-16.52.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just checked the data from my weather station on findu.com
http://www.findu.com/cgi-bin/wxpage.cgi?n3hcp
and noticed that when the humidity went to 100% findu.com
shows it as 10%. WinAPRS shows 100%. Has anyone else
noticed this or is there a problem with my data?
Thanks,
Gary

Gary

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987. [aprssig] Re: PK-12

From: Roger Grady <k9opo@netusa1.net>
Date: Sun, 25 Feb 2001 18:15:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137419-2001.02.25-17.30.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:38 AM 2/25/01 -0500, Joe Della Barba wrote:
>   PK-12 used that I plan to use to track the position of my boat. I am
>new to APRS so I have a few questions. 1) The PK 12 is configured as DTE
>on the RS-232 port. My GPS (Magellan 315) comes with an RS-232 cable, but
>is also DTE. I am thinking I need a null modem cable to connect the two.

Sorry for the mangled text above. Comes from your post being HTML and my
mail reader not copying it properly. The convention on this SIG is to use
plain text only, no HTML.

According to my PK-12 manual it's DCE, not DTE. DTE is a "terminal"
(normally a computer nowadays) and both the PK-12 and your GPS would be

expected to be connected to a DTE and thus would be wired as DCE. However I
think your conclusion is correct - since you would be connecting 2 like
devices together you need a null modem cable. (I have swapped wires so many
times in making up cables that I have trouble keeping things straight.)

>2) The GPS software in the PK-12 doesn't look too hard to set up, but they
>indicate you need to set your call as callsign-9 to show up as a car on
>the APRS system. Is there another number for boats? cars? airplanes?
>houses? 3) The PK-12 manual didn't really say anything about relaying? Is
>there a setting needed so the APRS packets are automatically relayed by
>whatever digipeaters hear them? 4) Is there a convention for how often to
>send? I was thinking maybe every 10 minutes.   Thanks for your help, Joe

Regardless of which version of APRS you intend to run you should first
download a copy of APRSdos from the TAPR website and read the help files.
All your questions are answered there, along with a bunch you haven't
thought of yet but will later :-). The SSID method of specifying your
symbol is considered obsolete but still works. There are 16 symbols defined
that way. There are dozens more that can be accessed by newer ways - all
described in the APRSdos help files.

How often to beacon your position is somewhat a function of how fast you
are moving. Move faster, beacon more often. It's also a function of how
crowded the network is in your area. In a crowded area you should beacon
less often. Just listen to 144.39 to get a feel for how busy it is.

There are conventions to control digipeating - also covered in the help
files. I hope you aren't put off by my "read the manual" reply. It's just
that Bob Bruninga has put a lot of effort into those files and it's basic
information you need to know regardless of which APRS program version you
end up running.

Roger Grady K9OPO

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988. [aprssig] New Mac APRS Program ?

From: WA4TKGMatt@aol.com
Date: Sun, 25 Feb 2001 18:51:21 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137422-2001.02.25-18.06.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any word about when and what will the next Mac APRS program have different in
it ?

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989. [aprssig] Just a reminder

From: John Blowsky <kb2scs@optonline.net>
Date: Sun, 25 Feb 2001 19:31:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137426-2001.02.25-18.48.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All
            After reading Roger's Reply I felt it was a good time since he
gave a lot of good points about the APRSdos documentation. To remind
everyone about my program called LOOKUP.

LOOKUP is the program that enables the user to do a keyword search
of the APRSdos documentation files. The user types in a key word and
LOOKUP will diaplay the file(s) on the user screen that contain the
key word. This makes finding the information you are looking for in
the APRSdos documentation files real easy.

You can download LOOKUP.zip from the following TAPR directory.

aprssig/dosstuff. This directory is one level up from Bob's APRSdos
directory on TAPR.

Sorry for the plug.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@arrl.net

----- Original Message -----
From: Roger Grady <k9opo@netusa1.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, February 25, 2001 6:15 PM
Subject: [aprssig] Re: PK-12

Deleted
> Regardless of which version of APRS you intend to run you should first
> download a copy of APRSdos from the TAPR website and read the help files.
> All your questions are answered there, along with a bunch you haven't
> thought of yet but will later :-). The SSID method of specifying your
> symbol is considered obsolete but still works. There are 16 symbols
defined
> that way. There are dozens more that can be accessed by newer ways - all
> described in the APRSdos help files.
>
> How often to beacon your position is somewhat a function of how fast you
> are moving. Move faster, beacon more often. It's also a function of how
> crowded the network is in your area. In a crowded area you should beacon
> less often. Just listen to 144.39 to get a feel for how busy it is.
>
> There are conventions to control digipeating - also covered in the help
> files. I hope you aren't put off by my "read the manual" reply. It's just
> that Bob Bruninga has put a lot of effort into those files and it's basic
> information you need to know regardless of which APRS program version you
> end up running.
>
> Roger Grady K9OPO
>
> ---
> You are currently subscribed to aprssig as: kb2scs@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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990. [aprssig] Directory not excetly correct

From: John Blowsky <kb2scs@optonline.net>
Date: Sun, 25 Feb 2001 19:50:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137432-2001.02.25-19.07.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All
           Lookup.zip is in the
aprssig/dosstuff/DOSmisc
directory on TAPR. In last message I forgot the DOSmisc directory.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@arrl.net

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991. [aprssig] Re: FW: Standarized Tracker Connections

From: Frank Ingle <73545.1210@compuserve.com>
Date: Sun, 25 Feb 2001 20:43:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-137437-2001.02.25-20.01.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich,

>I orginally wanted to use different genders for the units, but the MIC-E =
>and Kantronics Standards weren't easy to ignore, as well as the shorting =
>issue. We have purchased "stop" pins and are looking at pulling one of =
>the corresponding male pins on the male GPS connector to prevent
accidently=
> mixing plugs, and are also clearly marking the cables and ports.

Here's a sugestion that may be a little easier to implement than installing
special pins inside the DB-9 connector:

The little screws and nuts that physically hold DB connectors together may
be varied to prevent incorrect hookups. As you know, normally connectors
on the end of cables have male hardware (screws) and connectors on
a chassis have female hardware (tall nuts). If you put a nut on the left
side
of one female DB-9 connector and a nut on the right side of its mate, they
can
still mate, but the cord (male) will no longer mate with a "normal" chassis

connectors.

If you reverse the convention on the other DB-9 pair, then you will be
unbale to
plug either of them into the wrong connector. You now have a "new
standard"
which keeps your wiring straight on your tracker.

You can also make the change to your TNC's, MIc-E's etc. to comply with
your
"new standard".

Hope this helps.

-73-

Frank Ingle

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

992. [aprssig] Re: PK-12

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 25 Feb 2001 22:14:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137444-2001.02.25-21.29.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the help. I don't mind RTFM as long as I know where it is:)
BTW, I (hope) I set my mail now as plain text.
73
Joe N3HGB
----- Original Message -----
From: "Roger Grady" <k9opo@netusa1.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, February 25, 2001 6:15 PM
Subject: [aprssig] Re: PK-12

At 08:38 AM 2/25/01 -0500, Joe Della Barba wrote:
>   PK-12 used that I plan to use to track the position of my boat. I am
>new to APRS so I have a few questions. 1) The PK 12 is configured as DTE
>on the RS-232 port. My GPS (Magellan 315) comes with an RS-232 cable, but
>is also DTE. I am thinking I need a null modem cable to connect the two.

Sorry for the mangled text above. Comes from your post being HTML and my
mail reader not copying it properly. The convention on this SIG is to use
plain text only, no HTML.

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(normally a computer nowadays) and both the PK-12 and your GPS would be
expected to be connected to a DTE and thus would be wired as DCE. However I
think your conclusion is correct - since you would be connecting 2 like
devices together you need a null modem cable. (I have swapped wires so many

times in making up cables that I have trouble keeping things straight.)

>2) The GPS software in the PK-12 doesn't look too hard to set up, but they
>indicate you need to set your call as callsign-9 to show up as a car on
>the APRS system. Is there another number for boats? cars? airplanes?
>houses? 3) The PK-12 manual didn't really say anything about relaying? Is
>there a setting needed so the APRS packets are automatically relayed by
>whatever digipeaters hear them? 4) Is there a convention for how often to
>send? I was thinking maybe every 10 minutes.   Thanks for your help, Joe

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download a copy of APRSdos from the TAPR website and read the help files.
All your questions are answered there, along with a bunch you haven't
thought of yet but will later :-). The SSID method of specifying your
symbol is considered obsolete but still works. There are 16 symbols defined
that way. There are dozens more that can be accessed by newer ways - all
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How often to beacon your position is somewhat a function of how fast you
are moving. Move faster, beacon more often. It's also a function of how
crowded the network is in your area. In a crowded area you should beacon
less often. Just listen to 144.39 to get a feel for how busy it is.

There are conventions to control digipeating - also covered in the help
files. I hope you aren't put off by my "read the manual" reply. It's just
that Bob Bruninga has put a lot of effort into those files and it's basic
information you need to know regardless of which APRS program version you
end up running.

Roger Grady K9OPO

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993. [aprssig] Re: MFJ 1270

From: Tom Busch <tomb@kiva.net>
Date: Mon, 26 Feb 2001 06:37:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137472-2001.02.26-05.45.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The B works great, and I find the GPS interface easier to use than the
Kantronics

At 04:20 PM 2/25/01 , Glenn Wiebe wrote:
>Hello all:
>
>A friend has asked me if the MFJ1270 is suitable for APRS. I
>told him I didn't see why not, after all, APRS is packet
>operating in the converse mode. Unfortunately, I neglected
>to get the 1270 suffix - a,b,c,etc. of his machine. I
>thought that perhaps I should get a second (or more) opinion
>having used only and still using a Kam. Comments please.
>
>Thanks de Glenn...VE4GN
>
>---
>You are currently subscribed to aprssig as: tomb@kiva.net
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>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

994. [aprssig] Micrologic GPS

From: Glenn Little <glittle@awod.com>
Date: Mon, 26 Feb 2001 06:34:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137474-2001.02.26-05.54.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have any data as to what data is on what pins of the I/O
connector of this GPS? It appears that the company that made it is no
longer in business.

Thanks
73
Glenn
WB4UIV

Glenn Little   glittle@awod.com   QCWA LM 28417
Amateur Callsign: WB4UIV   wb4uiv@amsat.org   AMSAT LM 2178
QTH: Goose Creek, SC USA (EM92xx)   ARRL TAPR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

995. [aprssig] Re: Micrologic GPS

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 26 Feb 2001 09:43:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137501-2001.02.26-09.59.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:34 AM 2/26/01, Glenn Little wrote:

>Does anyone have any data as to what data is on what pins of the I/O
>connector of this GPS? It appears that the company that made it is no
>longer in business.

Actually, ICOM bought out Micrologic and is now marketing the 270. A call
to them might be in order.

Here is what I found on the internet:

Micrologic Parts and Manuals
Tim Conroy has purchased all of the remaining parts and manuals from
Micrologic and is stocking them in Maryland. He was the factory rep at
Micrologic for the past 18 years. He can be reached by e-mail at
tim@commar.com, phone at 401-624-4880, or fax at 401-624-4898.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

996. [aprssig] Compressed Weather Packet

From: "Peter Loveall" <HamLists@ametx.com>
Date: Mon, 26 Feb 2001 10:46:0
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137517-2001.02.26-11.01.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have read and reread the APRS Protocol Reference but I don't have a
conclusive answer. I am looking at generating a Complete Weather Report
Format packet with Compressed Lat/Long postion, with Timestamp. My
question is concerning the Wind Direction/Speed value. I assume that this
is calculated the same as the Course/Speed value explained in Chapter 9.
The calculation shown in Chapter 9 has the speed in Knots. Is this true
for wind speed, as well? If not, what is the calculation we are supposed
to use for creating the wind speed value?

You may ask why do I care? Using compressed format will knock over .1 of a
second from the transmission time. And in the Dallas area, that is a lot.

Thanks in advance.

Pete Loveall AE5PL

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

997. [aprssig] APRSce Maps

From: "Jim Oleson" <kb0oij@olesonsplace.com>
Date: Mon, 26 Feb 2001 09:14:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137523-2001.02.26-11.30.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me how to obtain maps for this program?

I'm setting this up on a Jornada 545 with a TM-D700A and a Magellan 310.

Thanks,

Jim Oleson

KB0OIJ

998. [aprssig] "back in the saddle again..."

From: "J. Scott Ratchford" <w5jsr@hotmail.com>
Date: Mon, 26 Feb 2001 11:41:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137528-2001.02.26-11.56.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all!

This is Scott-(ex-KC5JGV)W5JSR back on-line and ready for more APRS fun!

Just in case your wondering, I change my call, my job and my address! So, if
you need to chat, my new email address is w5jsr@hotmail.com.

I'll be getting back to the APRSHELP website additions as soon as I can!

73,

J. Scott Ratchford
W5JSR (ex-KC5JGV)

Need help with APRS?
http://www.aprshelp.com

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com

---
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999. [aprssig] Major new mobile RFI generator detected...

From: WA8LMF1@aol.com
Date: Mon, 26 Feb 2001 12:46:01 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137529-2001.02.26-12.01.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This past Saturday, while operating SSTV mobile on 15 meters I started
hearing a rather loud whining grinding noise covering up the signals.

It turned out to be one of the new Honda Insight hybrid gas-electric cars.
It radiates an electrical racket that sounds like a variable-speed electric
drill that starts out at a low pitched whine and gradually rises in pitch,
then abruptly drops again as the transmission shifts. It was producing a S5
noise level in the RX of my Yaesu FT-100 half a block away! I'm not sure if
it actually has a brush-type motor, or whether what I am hearing is some sort

of switching-mode DC-DC converter. If these things catch on, it could render
HF useless anywhere within several thousand feet of any significant road!!

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1000. [aprssig] Re: Major new mobile RFI generator detected...

From: "Timothy Hardy" <tgh@mallardnet.com>
Date: Mon, 26 Feb 2001 12:53:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137530-2001.02.26-12.08.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Perhaps we need to ask the FCC to issue a Part 15
certificate to the electric/hybrid and electric cars,
prohibiting them from causing harmful interference....

Tim, KC0PA

On Mon, 26 Feb 2001 12:46:01 EST
 WA8LMF1@aol.com wrote:
> This past Saturday, while operating SSTV mobile on 15
> meters I started
> hearing a rather loud whining grinding noise covering up
> the signals.
>
> It turned out to be one of the new Honda Insight hybrid
> gas-electric cars.
> It radiates an electrical racket that sounds like a
> variable-speed electric
> drill that starts out at a low pitched whine and
> gradually rises in pitch,
> then abruptly drops again as the transmission shifts. It
> was producing a S5
> noise level in the RX of my Yaesu FT-100 half a block
> away! I'm not sure if
> it actually has a brush-type motor, or whether what I am
> hearing is some sort
> of switching-mode DC-DC converter. If these things catch
> on, it could render
> HF useless anywhere within several thousand feet of any
> significant road!!
>
> ---
> You are currently subscribed to aprssig as:
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> leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1001. [aprssig] Re: Compressed Weather Packet

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 26 Feb 2001 12:54:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137532-2001.02.26-12.10.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 26 Feb 2001, Peter Loveall wrote:

> I have read and reread the APRS Protocol Reference but I don't have a
> conclusive answer. I am looking at generating a Complete Weather Report
> Format packet with Compressed Lat/Long postion, with Timestamp. My
> question is concerning the Wind Direction/Speed value. I assume that this
> is calculated the same as the Course/Speed value explained in Chapter 9.
> The calculation shown in Chapter 9 has the speed in Knots. Is this true
> for wind speed, as well? If not, what is the calculation we are supposed
> to use for creating the wind speed value?

Good question.. My understanding was that the FIELD is in KNOTS when used
for CSE/SPEED of a moving vehicle. But WX is always done in MPH. THus
when using a "complete" format, whether compressed or not, it would be in
MPH.   But since I first put in the WX stuff in APRSdos over 5 years ago,
I have not paid close attention. Did we ever resolve the MPH or KNOTS
windspeed issue? I still assume that wind speeds are MPH... could be
wrong...

bob

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1002. [aprssig] Re: Compressed Weather Packet

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 26 Feb 2001 12:48:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137534-2001.02.26-12.31.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Good question.. My understanding was that the FIELD is in KNOTS when used
>for CSE/SPEED of a moving vehicle. But WX is always done in MPH. THus
>when using a "complete" format, whether compressed or not, it would be in
>MPH.   But since I first put in the WX stuff in APRSdos over 5 years ago,
>I have not paid close attention. Did we ever resolve the MPH or KNOTS
>windspeed issue? I still assume that wind speeds are MPH... could be wrong...

The europeans are likely to object to either.

IMHO, the on air format needs to be something, wether it's MPH, or
Furlongs/Fortnight dosen't really matter, as long as all of the players
agree on the "on-air" units..

However, when you're showing it to the user, it needs to be in units that
he knows, or can choose.
--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1003. [aprssig] Re: Major new mobile RFI generator detected...

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 26 Feb 2001 12:50:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137535-2001.02.26-12.33.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:53 PM 2/26/01 -0500, Timothy Hardy wrote:
>Perhaps we need to ask the FCC to issue a Part 15
>certificate to the electric/hybrid and electric cars,
>prohibiting them from causing harmful interference....

Vehicles already have to pass part 15.
Perhaps there was a waiver?

Sounds like the old VW Beetles, I could hear them for blocks.
BRRRRRRRT.... BRRRRRRRRRRRRT... BRRRRRRRRRRRRR....

--
Dave's Engineering Page: http://www.dvanhorn.org
Where's dave? http://www.findu.com/cgi-bin/find.cgi?kc6ete-9

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1004. [aprssig] Coverage circles

From: deunju@juno.com
Date: Mon, 5 Feb 2001 07:07:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137585-2001.02.26-17.10.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When you display the coverage circles on a winaprs map, what is the
coverage assuming that the other station is using. Mobile, Base @ 40'
?????
Dale Urban N0KQX
Garden City Ks.

_____
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1005. [aprssig] UO22 and APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 26 Feb 2001 18:24:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137587-2001.02.26-17.40.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Talking and doing are two different things. My auto tracking APRStk is
now running again (finally) and so today I noticed KB0VBZ-14 in Colorado
and N3OBQ-3 mobile with his D700 got 12 packets in during this mornings
commute...

I am still not Igating, but at least I now have an antenna up again
(roofers have the office roof here all in shambles...)

If I remember to look at the screen, I can report on any others that make
it through UO22. If you have a D7 or D700 all you gotta do is set it
up...

see http://web.usna.navy.mil/~bruninga/astars.html

 de WB4APR, Bob

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1006. [aprssig] Re: Major new mobile RFI generator detected...

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 26 Feb 2001 16:26:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137588-2001.02.26-17.48.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:46 PM 2/26/01 -0500, WA8LMF1@aol.com blasted the following out into
the ether:
>This past Saturday, while operating SSTV mobile on 15 meters I started
>hearing a rather loud whining grinding noise covering up the signals.
>
>It turned out to be one of the new Honda Insight hybrid gas-electric cars.
>It radiates an electrical racket that sounds like a variable-speed electric
>drill that starts out at a low pitched whine and gradually rises in pitch,
>then abruptly drops again as the transmission shifts. It was producing a S5
>noise level in the RX of my Yaesu FT-100 half a block away!

      Hey, aren't those cars Part 15 devices? <G>

      7 3

Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1007. [aprssig] Re: Major new mobile RFI generator detected...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 26 Feb 2001 20:16:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137600-2001.02.26-19.38.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Very interesting... As I know someone who has a family
member who got one (not local so I can't check it out,
unfortunately). It got me interesting enough that I thought
'maybe' in a year or two...

I'm glad this issue was raised now! Have to check it out
carefully if I ever get a chance.

Mike

> It turned out to be one of the new Honda Insight hybrid gas-electric
cars.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1008. [aprssig] Re: Major new mobile RFI generator detected...

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Mon, 26 Feb 2001 17:37:53 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137605-2001.02.26-19.52.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When in Burbank, pull up to within 6' of one of the electric 'around
town' shuttle busses and watch any AM radio station 'go away' in a sea
of static.. I'm guessing controller noise..

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1009. [aprssig] Re: Major new mobile RFI generator detected...

From: Jeff King <jeff@aerodata.net>
Date: Mon, 26 Feb 2001 20:44:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137606-2001.02.26-20.00.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF1@aol.com wrote:
>
> This past Saturday, while operating SSTV mobile on 15 meters I started
> hearing a rather loud whining grinding noise covering up the signals.

Send your findings to the ARRL. One of the few things they do pay attention
to is unintentional emitters on HF (reference their stand against
RF tags).

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1010. [aprssig] Digi Symbol Problem

From: "Myrt Webb" <myrtwebb@centurytel.net>
Date: Mon, 26 Feb 2001 20:16:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137645-2001.02.26-21.31.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just changed my WinAPRS to the latest 2.2.8. It seems to work fine except digi symbols are white squares rather than the green star, my digi included.

My beacon text is:

!4838.60NN11505.50W#Eureka Alt6322ft/Glacier APRS WIDE

Any fix for this?

Myrt
KB7ZPE
No longer the only lonely APRS station in NW Montana

1011. [aprssig] Re: Compressed Weather Packet

From: "Russ Chadwick" <crb5@qwest.net>
Date: Mon, 26 Feb 2001 20:32:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Will Beals" <will@beals5.com>, "□" <sdimse@netrox.com>
Message-ID: <LYR842-137646-2001.02.26-21.47.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: David VanHorn <dvanhorn@cedar.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Subject: [aprssig] Re: Compressed Weather Packet

>
> >
> >Good question.. My understanding was that the FIELD is in KNOTS when
used
> >for CSE/SPEED of a moving vehicle. But WX is always done in MPH. THus
> >when using a "complete" format, whether compressed or not, it would be in
> >MPH.   But since I first put in the WX stuff in APRSdos over 5 years ago,
> >I have not paid close attention. Did we ever resolve the MPH or KNOTS
> >windspeed issue? I still assume that wind speeds are MPH... could be
wrong...
>
> The europeans are likely to object to either.
>
> IMHO, the on air format needs to be something, wether it's MPH, or
> Furlongs/Fortnight dosen't really matter, as long as all of the players
> agree on the "on-air" units..
>

Two items of interest regarding units on APRS weather data:

1. The on-the-air message from the 1-Wire/T-238 APRS weather station has
wind speed in miles per hour irregardless of whether the local display is in
english or metric units. We did it this way to follow the APRS standard
which I understand is mph for wind speed weather data.

2. APRSWXNET is a group of APRS weather station operators who have their
weather data sent to NOAA through findu.com for use in research and/or
operations. This data is presently being used in operational numerical
weather prediction. The data acquisition program expects the wind speed
data to be in miles per hour.

Russ
kb0tvj

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1012. [aprssig] Inconsistencies?

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Mon, 26 Feb 2001 21:00:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137647-2001.02.26-22.16.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:16 PM 2/26/01 -0700, Myrt Webb blasted the following out into the ether:
>I just changed my WinAPRS to the latest 2.2.8. It seems to work fine
>except digi symbols are white squares rather than the green star, my digi
>included.
>
>My beacon text is:
>
>!4838.60NN11505.50W#Eureka Alt6322ft/Glacier APRS WIDE

Just speculation here, but is there some sort of inconsistency in 2.4.8? I've seen several people post that their PM quit working when they went from 2.4.7 to 2.4.8, and now the digi icon problem appears. Neither problem occurs here -- what gives? You'd think such problems would be either all or none, right?

7 3
Earl

Earl Needham, KD5XB mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath, you breathe...)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1013. [aprssig] MFJ-1270c

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Mon, 26 Feb 2001 21:34:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137650-2001.02.26-22.31.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wrote:

> A friend has asked me if the MFJ1270 is suitable for APRS. I
> told him I didn't see why not, after all, APRS is packet
> operating in the converse mode.

Thanks you for all the responses which indicate that the unit is APRS compatible.

73 de Glenn...VE4GN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1014. [aprssig] Re: Inconsistencies?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 26 Feb 2001 22:17:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137652-2001.02.26-22.32.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:00 PM 2/26/01, Earl Needham wrote:

> Just speculation here, but is there some sort of inconsistency in
> 2.4.8? I've seen several people post that their PM quit working when
> they went from 2.4.7 to 2.4.8, and now the digi icon problem
> appears. Neither problem occurs here -- what gives? You'd think such
> problems would be either all or none, right?

I've been doing some detective work on the PMAP OCX error when going to

2.4.8. It seems the only people having problems are the ones using Windows
95A. The Microsoft Foundation Classes that used the MFCANS32.dll are only
version(s) 3.x. Earlier versions of Windows used an earlier MFC.   Widows
2000 which uses MFC 4.x so the MFCANS32.dll actually has to be added to get
it to work. I assume the same is true with Win95A.

But in my own testing, Win2000 with PM works just fine, so it must be
something "missing" from Win95A, perhaps the earlier MFC is at
fault?.   Dunno about the icon issue, but it may be related.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1015. [aprssig] Re: Inconsistencies?

From: Skip Allison <sallison@megsinet.net>
Date: Mon, 26 Feb 2001 23:00:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137661-2001.02.26-23.17.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I tried replacing MFCANS32.dll on the laptop (95a) with the one from
95b. Still same problem. I also tried reloading the OCX with no luck.

Skip
K9SA

Mark Fellhauer wrote:
>
> At 10:00 PM 2/26/01, Earl Needham wrote:
>
> >   Just speculation here, but is there some sort of inconsistency in
> > 2.4.8? I've seen several people post that their PM quit working when
> > they went from 2.4.7 to 2.4.8, and now the digi icon problem
> > appears. Neither problem occurs here -- what gives? You'd think such
> > problems would be either all or none, right?
>
> I've been doing some detective work on the PMAP OCX error when going to
> 2.4.8. It seems the only people having problems are the ones using Windows
> 95A. The Microsoft Foundation Classes that used the MFCANS32.dll are only
> version(s) 3.x. Earlier versions of Windows used an earlier MFC.   Widows
> 2000 which uses MFC 4.x so the MFCANS32.dll actually has to be added to get
> it to work. I assume the same is true with Win95A.
>
> But in my own testing, Win2000 with PM works just fine, so it must be
> something "missing" from Win95A, perhaps the earlier MFC is at
> fault?.   Dunno about the icon issue, but it may be related.
>
> 73,
>
> Mark
> KC7BXS
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1016. [aprssig] Re: Inconsistencies?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 26 Feb 2001 23:18:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137667-2001.02.26-23.33.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:00 PM 2/26/01, Skip Allison wrote:

>I tried replacing MFCANS32.dll on the laptop (95a) with the one from
>95b. Still same problem. I also tried reloading the OCX with no luck.

It's not just the .dll - I think it has something to do with the whole
earlier version on the Microsoft Foundation Class (pre 3.x) and how it
deals with the base programming language (C+?).   This is pure speculation
on my part, but it's the only thing that I can think of that makes Win95A
different from Win95B as it relates to WinAPRS and the pmap ocx.

Sprouls?

73,

Mark
KC7BXS

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1017. [aprssig] Honda Insight (was: Major new mobile RFI generator detected...)

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 26 Feb 2001 23:19:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137668-2001.02.26-23.34.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:46 AM 2/26/01, WA8LMF1@aol.com wrote:

>It turned out to be one of the new Honda Insight hybrid gas-electric cars.

All I can say is that if I claimed to the SIG that I was making a hybrid
vehicle by taking a Suzuki Sprint and grafting a 6 HP AC pancake motor
(powered by 180 D cells) onto it as a "helper" motor, you would all get a
good laugh.

I think Honda is pulling a fast one on somebody...

73,

Mark
KC7BXS

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1018. [aprssig] Re: WinAPRS 2.4.8 Failed to create OCX

From: KB7ADO@aol.com
Date: Tue, 27 Feb 2001 00:27:52 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137669-2001.02.26-23.42.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 01-02-25 at 17:06:52 EST, sallison@megsinet.net sent this message:

>I updated my main computer from 2.4.7 to 2.4.8 and had no trouble.
>Today I updated my laptop from 2.4.3 to 2.4.8 and when I started WinAPRS
>I got the message: Failed to create PMAP OCX control.

>Skip
>K9SA

I just tried version 2.4.8 a short time ago and got the same results, which
was no Precision Maps in WinAPRS. Has anyone else had this happen, and if
so, what is the fix? Why is PM only working with versions prior to 2.4.8? I
am running W95B.

Bob, KB7ADO

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1019. [aprssig] WX Watches/Warnings....

From: Jim Duncan <ku0g@kcaprs.org>
Date: Tue, 27 Feb 2001 00:32:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137689-2001.02.27-00.52.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, what's broken here?

In WinAPRS 2.4.3 the Weather watch/warning bulletins got retransmitted
here just fine but in every version since then the bulletins do NOT go
out on air. I hate to run so behind the times, but if that's what it
takes to make thing happen here, then so be it....

System is set up to run on LOCAL TIME, if that makes a difference.
IMHO, it should NOT be of any consequence as the software SHOULD know
how to convert UTC to local time....

Thoughts, as severe weather session approaches (although it's already
arrived in some locales!)???
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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1020. [aprssig] APRS+SA v1.99YL

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Mon, 26 Feb 2001 23:49:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137692-2001.02.27-02.04.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Posted, APRS+SA v1.99YL

2001.02.26
1.99YL
1) Bug fix - Setup did not create "Web" directory, SAx map download from web server did not work.

2) Bug fix - Kiss mode in APRS+SA and in KipSS was adding a <CR> character at end of data sent to TNC
causing Paccomm TNCs to not work in Kiss mode with APRS+SA.

3) New - Added IGate outbound path. All packets now being transmitted as an IGate can use the path
specified by the Path ID entered on the Internet tab of Setup. For Dual-Port TNCs, the port assigned to
 the Path ID in the Unproto Path window will now be the outbound port also. This can be used to ensure
that the IGate does not transmit to HF. Also, the IGate Local List will be determined by the outbound
port as well (for Dual Port TNCs).

4) Improved - Port handling of Dual Port TNCs in Kiss mode.

5) New - Weather transmit using data files written by 3rd party programs such as Weather Display,
http://www.weather-display.com and Virtual Weather Station, http://www.ambientsw.com. To enable WX
transmit, edit or create a file named SETTINGS.INI. Add the following Keys:

[WX]
WxFile=path\name
Interval=10

Where path\name is a fully qualified path and name to the file written by the 3rd party programs, and
Interval is the time in minutes. When APRS+SA transmits the Weather data, it deletes the file, so that
no duplicate transmissions occur. APRS+SA can be forced to transmit WX from the Send menu, select
"Send Weather File".

6) New - You can now capture the screen image of the SA map, and place it into the APRS+SA Bitmap
window. It is important to first, draw the map from APRS+SA so that the screen coordinates of the map
can be calibrated. You can not pan or zoom the SA map once it has been drawn from APRS+SA. Once it is
drawn, go to the Bitmap window, Right Click on the Window, and select "Paste SA" Once pasted into the

Bitmap, you will not be able to zoom in or out or pan. The Bitmap window will be resized to the size of the map. Note, you can create objects more easily now from a pasted SA map. Also, if you have not panned or zoomed SA, the pasted map will be automatically calibrated.

7) New - APRS+SA web server now has settings that can be entered into the SETTINGS.INI file to allow for generating Web Pages with just RF Stations, or all known stations. Also some time limits are now adjustable. The following are the INI file Keys for the Web Server

[Web Server]
RF=1
PositionTime=2
HistoryTime=2
StatusTime=4

RF=1, means, only draw stations on your local RF network. This ignored IGated packets.
The time values are in hours, and the defaults are shown.

8) New pricing structure. For Radio Amateurs, registration is $49. If you have purchased a registration number for one of the following, winAPRS, APRSdos, or pocketAPRS, the registration fee is $39. You must include the registration number with your registration form. Clubs, with 5 or more registrations at one time, the fee is $30, and the club's callsign is included at no cost.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

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1021. [aprssig] Re: APRS+SA v1.99YL

From: Kevin Drissel <n9oig@wi.net>
Date: Tue, 27 Feb 2001 03:52:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137700-2001.02.27-04.15.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Im using the aprs generated file from the weather display.com it creates WxDataWXNOW.TXT file and I put that file and path into the settings.ini file but it will not send that file. Im assuming I have something set wrong because it doesn't delete the file like it should either.
any suggestions?

Brent Hildebrand wrote:

> Posted, APRS+SA v1.99YL
>
> 2001.02.26
> 1.99YL

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1022. [aprssig] Hybrid cars

From: Jim Neely <jmneely@attglobal.net>
Date: Tue, 27 Feb 2001 05:33:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137702-2001.02.27-05.48.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Toyota Prius and have a D700 in it.

I don't hear anything from the car on the D700.

jn

Jim Neely
jmneely@attglobal.net   WA5LHS@TAPR.ORG

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1023. [aprssig] APRS+SA v1.99XL - Reposted

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 27 Feb 2001 06:33:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137710-2001.02.27-08.49.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I will be re-uploaded APRS+SA v1.99XL. Sorry, but I left one line of debug code in the HTML generating routine for the web server, rendering the web server non-working. Sorry for the inconvenience. Brent KH2Z

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1024. [aprssig] Re: Inconsistencies?

From: "Sid Knox" <sbjknox@tah-usa.net>
Date: Tue, 27 Feb 2001 8:53:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137713-2001.02.27-09.09.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In your WinAPRS folder is a file Mapocx.cfg
Open it with Notepad and see if it has a line that looks like
CDSTATE=D:\Pmap40\States
You may currently have your maps in Pmap30. You may need to change
the three or four references to Pmap40 to Pmap30 and save the changes.
Another easier way may be to rename your Pmap30 folder to Pmap40.
Fine print follows: I have not tried this... this is pure speculation
as I do not have working PMs. I purchased PM4 only to discover that
WinAPRS does not support PM4 and I am unable to find PM3 or 3.5.
73
Sid

On 02/26/01, "Skip Allison <sallison@megsinet.net>" wrote:
> I tried replacing MFCANS32.dll on the laptop (95a) with the one from
> 95b. Still same problem. I also tried reloading the OCX with no luck.
>
> Skip
> K9SA
>

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1025. [aprssig] Re: APRS+SA v1.99XL - Reposted

From: "Clayton H. Owen" <aa3jy@erols.com>
Date: Tue, 27 Feb 2001 10:04:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137714-2001.02.27-09.19.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brent Hildebrand wrote:
>
> I will be re-uploaded APRS+SA v1.99XL. Sorry, but I left one line of debug code in the HTML generating routine for the web server, rendering the web server non-working. Sorry for the inconvenience. Brent KH2Z
> ===
...and I quote:"....there's always something..."

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1026. [aprssig] Re: Inconsistencies?

From: "John R. Glenn III" <jsglenn@theriver.com>
Date: Tue, 27 Feb 2001 09:31:16 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137727-2001.02.27-10.46.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I upgraded from 2.4.7 to 2.4.8 and had no problems at all. My PM 3.0 maps work same as before. I'm using Win 98 on a 166 machine. All I did was replace the .7 exe file with the .8 and all worked fine.

I do have another problem that I reported to the Sprouls. Some tnc's are sending out elevations of six digits with a negative sign; i.e., "-922415". Think they're the D7 & D700's doing this. I don't know if it's the tnc's or the WinAPRS causing it to show up that way.

Where's John's home? http://www.findu.com/cgi-bin/find.cgi?k7rjr
Where's John's SUV? http://www.findu.com/cgi-bin/find.cgi?k7rjr-3
Where's John's pickup? http://www.findu.com/cgi-bin/find.cgi?k7rjr-9

1027. [aprssig] Re: APRS+SA v1.99YL

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 27 Feb 2001 11:54:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137764-2001.02.27-12.09.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the name of the file you are creating with Weather-Display?

It should be Wxnow.txt......not Weatherdisplay.wxnow.txt or anything else "funny" looking.

Where are you having Weather-Display save the file? To what directory?

You DON'T specify the file name in Weather Display...it assumes and uses Wxnow.txt...if you add it, you get a double entry file name...that's what you appear to have done at first glance.

Give me more info, and I'll try to help ya. 73

....hasan

hasan schiers, NØAN
schiers@netins.net

----- Original Message -----
From: "Kevin Drissel" <n9oig@wi.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, February 27, 2001 3:52 AM
Subject: [aprssig] Re: APRS+SA v1.99YL

> Im using the aprs generated file from the weather display.com it creates WxDataWXNOW.TXT file and I put that file and path into the settings.ini file but it will not send that file. Im assuming I have something set wrong because it doesn't delete the file like it should either.
> any suggestions?
>
> Brent Hildebrand wrote:
>
> > Posted, APRS+SA v1.99YL
> >
> > 2001.02.26
> > 1.99YL
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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1028. [aprssig] Propogation Beacons APRS file

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 27 Feb 2001 13:24:52 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137771-2001.02.27-12.40.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just put together an APRS OVERLAY file (BEACONS.POS) of all the 2m
propogation beacons in the world (i think). You can download at

ftp://tapr.org/aprssig/dosstuff/APRSdos/beacons.pos

If you want to do everyone a favor and see if the ones near you are
actually on the air, just overlay the file onto your map in your area and
tune them in. If you are within 20 miles and dont hear them, Ev Tupis
<w2ev@rochester.rr.com> would probably want to know...

To view them in APRSdos, just hit MAPS-OVERLAY-OTHER-BEACONS and they
should popup on the map.

I have asked Ev if he wants to enter the other bands and make available
other files. Took me about an hour, after I took 3 hours to rewrite
APRStk to make it easy to enter grids and wrote another program to convert
.BK files to .POS files...

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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1029. [aprssig] APRStk version k23

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 27 Feb 2001 13:29:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137775-2001.02.27-12.45.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Only a small upgrade to APRStk version K23. I added an INPUT-GRID
command. So that you can enter a grid real quickly without having to
answer all those normal questions as with the INPUT-ADD command for other
objects...

Reason for this is that I find during a UO-14 or AO-27 pass that the grids
are coming so fast, I cant keep up. This should make it easier..

ftp://tapr.org/aprssig/dosstuff/APRSdos/astk-exe.zip

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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1030. [aprssig] Anybody notice weird things with APRServe overnight?

From: "Mark Conner" <mconner1@home.com>
Date: Tue, 27 Feb 2001 13:50:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137778-2001.02.27-14.05.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At about 1400 UTC this morning, I noticed one station seemed to be stuck in
a RF-Internet loop of some sort - I had that station on my reverse gate list
and apparently was transmitting his position almost continuously. I came
home for lunch around 1900 UTC and saw a similar thing happening with
another station who was messaging through my I-gate.

I've disabled all reverse gating (messages and positions) until I can get
this sorted out - it's hard not only on my radio, but on the local
digipeaters. If you've had a similar experience in the last 24 hours let me
know - I'm trying to figure out if it's my setup or not.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@null.net n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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1031. [aprssig] GEODE

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 27 Feb 2001 16:06:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137788-2001.02.27-15.18.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.geodiscovery.com/geodepp.html and I have no connection... has got
to be the best thing in GPS's in this century !!!!!   ;)

Not only a GPS.... but also a WAAS receiver (beats the heck out of the
accuracy of DGPS).. AND a digital fluxgate compass AND EXPANSION MEMORY out
the wazoo !!! Now they just need one that has a NMEA output....

ALOHA
AH6LS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1032. [aprssig] WAAS list of receiver (was: Re: GEODE)

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 27 Feb 2001 16:15:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137792-2001.02.27-16.30.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Not only a GPS.... but also a WAAS receiver (beats the heck out of the
>accuracy of DGPS).. AND a digital fluxgate compass AND EXPANSION MEMORY out
>the wazoo !!! Now they just need one that has a NMEA output....

Pretty cool.

Has anyone compiled a list of all the currently available WAAS enabled
receivers?

73,

Mark
KC7BXS

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1033. [aprssig] Re: [aprsplus] APRS+SA v1.99YL

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 27 Feb 2001 16:29:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137793-2001.02.27-16.45.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CORRECTION!!!!!

The settings.ini file has an error in it, as far as I can tell. The line
that says:

WxFile=path\name

should read:

FILE=path\name

I think Brent forgot to change it...we had this problem early on when
testing.

Here is an example of a network qualified path to VWS running on my 3rd
machine:

[WX]
FILE=\\Schiers3\schiers3_c\vws\data\wxreport.TXT
Interval=10

Machine name = Schiers3
Drive Name=schiers3_c

Notice the use of FILE instead of WxFile...

========================

Here is an example file for the Weather-Display program by Brian Hamilton:

[WX]
FILE=d:\Wxnow.txt
Interval=10

Notice again, the call is with FILE=   and not Wxfile=

73,

hasan

hasan schiers, NØAN
schiers@netins.net

----- Original Message -----
From: "Brent Hildebrand" <bhildebrand@earthlink.net>
To: <aprsplus@unix.k8sn.org>; "aprssig" <aprssig@tapr.org>
Sent: Tuesday, February 27, 2001 1:49 AM
Subject: [aprsplus] APRS+SA v1.99YL

> Posted, APRS+SA v1.99YL
>
> 2001.02.26
> 1.99YL
> 1) Bug fix - Setup did not create "Web" directory, SAx map download from
web server did not work.
>
> 2) Bug fix - Kiss mode in APRS+SA and in KipSS was adding a <CR> character
at end of data sent to TNC causing Paccomm TNCs to not work in Kiss mode
with APRS+SA.
>
> 3) New - Added IGate outbound path. All packets now being transmitted as
an IGate can use the path specified by the Path ID entered on the Internet
tab of Setup. For Dual-Port TNCs, the port assigned to the Path ID in the
Unproto Path window will now be the outbound port also. This can be used to
ensure that the IGate does not transmit to HF. Also, the IGate Local List
will be determined by the outbound port as well (for Dual Port TNCs).
>
> 4) Improved - Port handling of Dual Port TNCs in Kiss mode.
>
> 5) New - Weather transmit using data files written by 3rd party programs
such as Weather Display, http://www.weather-display.com and Virtual Weather
Station, http://www.ambientsw.com. To enable WX transmit, edit or create a
file named SETTINGS.INI. Add the following Keys:
>
> [WX]
> WxFile=path\name

> Interval=10
>
> Where path\name is a fully qualified path and name to the file written by the 3rd party programs, and Interval is the time in minutes. When APRS+SA transmits the Weather data, it deletes the file, so that no duplicate transmissions occur. APRS+SA can be forced to transmit WX from the Send menu, select "Send Weather File".
>
> 6) New - You can now capture the screen image of the SA map, and place it into the APRS+SA Bitmap window. It is important to first, draw the map from APRS+SA so that the screen coordinates of the map can be calibrated. You can not pan or zoom the SA map once it has been drawn from APRS+SA. Once it is drawn, go to the Bitmap window, Right Click on the Window, and select "Paste SA" Once pasted into the Bitmap, you will not be able to zoom in or out or pan. The Bitmap window will be resized to the size of the map. Note, you can create objects more easily now from a pasted SA map. Also, if you have not panned or zoomed SA, the pasted map will be automatically calibrated.
>
> 7) New - APRS+SA web server now has settings that can be entered into the SETTINGS.INI file to allow for generating Web Pages with just RF Stations, or all known stations. Also some time limits are now adjustable. The following are the INI file Keys for the Web Server
>
> [Web Server]
> RF=1
> PositionTime=2
> HistoryTime=2
> StatusTime=4
>
> RF=1, means, only draw stations on your local RF network. This ignored IGated packets.
> The time values are in hours, and the defaults are shown.
>
> 8) New pricing structure. For Radio Amateurs, registration is $49. If you have purchased a registration number for one of the following, winAPRS, APRSdos, or pocketAPRS, the registration fee is $39. You must include the registration number with your registration form. Clubs, with 5 or more registrations at one time, the fee is $30, and the club's callsign is included at no cost.
>
> Brent Hildebrand, KH2Z
>
> APRS+SA
> http://www.tapr.org/~kh2z/aprsplus
> ftp://ftp.tapr.org/aprssig/winstuff/aprsplus
>
> []
>
>
>

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1034. [aprssig] igate

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 27 Feb 2001 19:06:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137801-2001.02.27-18.19.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a rather open ended question...

I have a cable modem, some win98 machines, a linux box. I find that winaprs isn't reliable enough to run an Igate because it crashes everytime I leave home. Although I am not opposed to running Afilter, I'd rather run the full data stream from aprsserv. I'd also love to be able to get aprs STK running and publish the bird's sched's for the locals.

So... what do you guys recommend? run winaprs with afilter? run aprsD in X ? Can I setup a telnet terminal server on the X machine , and run aprs STK to that serial port? first priority is to get reliable Igate going.... 2nd is to get aprsSTK going....

now let the flood of opinions loose....

Thanks <ducking for cover>
Wes

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1035. [aprssig] Re: igate

From: WA8LMF1@aol.com
Date: Tue, 27 Feb 2001 19:38:55 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137810-2001.02.27-18.54.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/27/2001 4:07:35 PM Pacific Standard Time,
wes@johnston.net writes:

> run winaprs with afilter? run aprsD in X
> ? Can I setup a telnet terminal server on the X machine , and run aprs STK
> to that serial port?

Try APRSplus. It's a native Win 9X application and runs very stablely on
Win98. You don't need to install Street Atlas to get it to run or to use the
Igate features.

Stephen H. Smith   Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1036. [aprssig] Re: igate

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 27 Feb 2001 19:37:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137819-2001.02.27-19.52.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes,

I'm running Win98SE with a wireless internet connection, similar in speed to
the cable modems et al. I've been running APRS+SA for a few weeks. I have
full time connect to the internet. It is stable...NOT ONE CRASH, NOT ONE
HANG, NOT ONE unhandled error exception, and it's been connected to the
internet the whole time.

As another person suggested, if you primary purpose is internet and igating,
you can use APRS+SA without any additional mapping like SA8.

It's a heck of a program, customer support is first rate and if you have
registered other major aprs software, you can get quite a good discount on
it from the author. See Brent's posting about the release of 199YL (version
number of latest release). It was mistakenly labled XL in a couple
posts...but the proper version number is APRS+SA 1.99YL.

Email me if you need help getting it going. It is not a "simple" program to
get started with, although once you get the "feel" of what it's doing it
hangs together quite nicely. It's not for the faint of heart, nor will it
run on slow systems. It is demanding from a processor point of view...I
would recommend nothing less than a 300 mhz Pentium II with 128 mb ram. I'm
running it on a 412 mhz Pentium II with 256 mb ram and it does rather
nicely...although I'd still like an 800 mhz pentium III <grin>

73

hasan schiers, NØAN
schiers@netins.net

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, February 27, 2001 6:06 PM
Subject: [aprssig] igate

> I have a rather open ended question...
>
> I have a cable modem, some win98 machines, a linux box. I find that
winaprs
> isn't reliable enough to run an Igate because it crashes everytime I leave
> home. Although I am not opposed to running Afilter, I'd rather run the
full
> data stream from aprsserv. I'd also love to be able to get aprs STK
running
> and publish the bird's sched's for the locals.
>
> So... what do you guys recommend? run winaprs with afilter? run aprsD in
X
> ? Can I setup a telnet terminal server on the X machine , and run aprs
STK
> to that serial port? first priority is to get reliable Igate going....
2nd
> is to get aprsSTK going....
>
> now let the flood of opinions loose....
>
> Thanks <ducking for cover>
> Wes
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1037. [aprssig] Question about AFilter

From: "Mark Foley" <na4v@home.com>
Date: Tue, 27 Feb 2001 22:04:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137831-2001.02.27-21.19.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In addition to running WinAPRS/AFilter (as igate), I'm also running a aprsdata station (NA4V-3) and do not want this information igated (stay local)...what do I have to do with AFilter's configuration to not igate this call?...or configuration of NA4V-3 on the aprsdata program
Thanks,
Mark, NA4V

1038. [aprssig] Re: [aprsplus] APRS+SA v1.99YL

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 27 Feb 2001 20:24:40 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137843-2001.02.27-22.41.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes Hasan, you are correct. The key should be FILE, not WXFILE.
So the Entries in the SETTINGS.INI file should be:
[WX]
FILE=path\name
INTERVAL=10

Interval is in minutes. 10 would be every 10 minutes.

Brent KH2Z

----- Original Message -----
From: "hasan schiers" <schiers@netins.net>
To: "Brent Hildebrand" <bhildebrand@earthlink.net>;
<aprsplus@unix.k8sn.org>; "aprssig" <aprssig@tapr.org>
Sent: Tuesday, February 27, 2001 2:29 PM
Subject: Re: [aprsplus] APRS+SA v1.99YL

> CORRECTION!!!!!
>
> The settings.ini file has an error in it, as far as I can tell. The line
> that says:
>
> WxFile=path\name
>
> should read:
>
> FILE=path\name
>
> I think Brent forgot to change it...we had this problem early on when
> testing.
>
> Here is an example of a network qualified path to VWS running on my 3rd
> machine:
>
> [WX]
> FILE=\\Schiers3\schiers3_c\vws\data\wxreport.TXT
> Interval=10
>
> Machine name = Schiers3
> Drive Name=schiers3_c
>
> Notice the use of FILE instead of WxFile...
>
> ========================
>
> Here is an example file for the Weather-Display program by Brian Hamilton:
>
> [WX]
> FILE=d:\Wxnow.txt
> Interval=10
>
> Notice again, the call is with FILE=   and not Wxfile=
>
> 73,
>
> hasan
>
>
>
> hasan schiers, NØAN
> schiers@netins.net
>
> ----- Original Message -----
> From: "Brent Hildebrand" <bhildebrand@earthlink.net>
> To: <aprsplus@unix.k8sn.org>; "aprssig" <aprssig@tapr.org>
> Sent: Tuesday, February 27, 2001 1:49 AM
> Subject: [aprsplus] APRS+SA v1.99YL
>
>
> > Posted, APRS+SA v1.99YL
> >
> > 2001.02.26
> > 1.99YL
> > 1) Bug fix - Setup did not create "Web" directory, SAx map download from
> web server did not work.
> >
> > 2) Bug fix - Kiss mode in APRS+SA and in KipSS was adding a <CR>
character
> at end of data sent to TNC causing Paccomm TNCs to not work in Kiss mode
> with APRS+SA.
> >
> > 3) New - Added IGate outbound path. All packets now being transmitted
as
> an IGate can use the path specified by the Path ID entered on the Internet
> tab of Setup. For Dual-Port TNCs, the port assigned to the Path ID in the
> Unproto Path window will now be the outbound port also. This can be used
to

> ensure that the IGate does not transmit to HF. Also, the IGate Local List
> will be determined by the outbound port as well (for Dual Port TNCs).
> >
> > 4) Improved - Port handling of Dual Port TNCs in Kiss mode.
> >
> > 5) New - Weather transmit using data files written by 3rd party programs
> such as Weather Display, http://www.weather-display.com and Virtual
Weather
> Station, http://www.ambientsw.com. To enable WX transmit, edit or create a
> file named SETTINGS.INI. Add the following Keys:
> >
> > [WX]
> > WxFile=path\name
> > Interval=10
> >
> > Where path\name is a fully qualified path and name to the file written
by
> the 3rd party programs, and Interval is the time in minutes. When APRS+SA
> transmits the Weather data, it deletes the file, so that no duplicate
> transmissions occur. APRS+SA can be forced to transmit WX from the Send
> menu, select "Send Weather File".
> >
> > 6) New - You can now capture the screen image of the SA map, and place
it
> into the APRS+SA Bitmap window. It is important to first, draw the map
from
> APRS+SA so that the screen coordinates of the map can be calibrated. You
> can not pan or zoom the SA map once it has been drawn from APRS+SA. Once
it
> is drawn, go to the Bitmap window, Right Click on the Window, and select
> "Paste SA" Once pasted into the Bitmap, you will not be able to zoom in
or
> out or pan. The Bitmap window will be resized to the size of the map.
> Note, you can create objects more easily now from a pasted SA map. Also,
if
> you have not panned or zoomed SA, the pasted map will be automatically
> calibrated.
> >
> > 7) New - APRS+SA web server now has settings that can be entered into
the
> SETTINGS.INI file to allow for generating Web Pages with just RF Stations,
> or all known stations. Also some time limits are now adjustable. The
> following are the INI file Keys for the Web Server
> >
> > [Web Server]
> > RF=1
> > PositionTime=2
> > HistoryTime=2
> > StatusTime=4
> >
> > RF=1, means, only draw stations on your local RF network. This ignored
> IGated packets.
> > The time values are in hours, and the defaults are shown.
> >
> > 8) New pricing structure. For Radio Amateurs, registration is $49. If
> you have purchased a registration number for one of the following,
winAPRS,
> APRSdos, or pocketAPRS, the registration fee is $39. You must include the
> registration number with your registration form. Clubs, with 5 or more
> registrations at one time, the fee is $30, and the club's callsign is
> included at no cost.
> >
> > Brent Hildebrand, KH2Z
> >
> > APRS+SA
> > http://www.tapr.org/~kh2z/aprsplus
> > ftp://ftp.tapr.org/aprssig/winstuff/aprsplus
> >
> > []
> >
> >
> >
>
>

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1039. [aprssig] Can't get Telemetry to work

From: "Dave Beck" <dbeck@tds.net>
Date: Tue, 27 Feb 2001 23:0:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137847-2001.02.27-23.15.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I sure wish I could get WinAprs telemetry working. I can see the MIM
telemetry data in the terminal display, but can't get WinAPRS to display
it. There is no Telemetry "list" showing up and Clicking on the station
doesn't get me any telemetry icons either. Any ideas?

An example of the data seen in the terminal window
WB0RAG-7>APRSTLM:T#124,160,169,174,255,255,11111111,MIN v1.07

Any ideas?
Thanks for the help!

Regards,
Dave Beck WB0RAG
With the solar powered airplane
personalpages.tds.net/~dbeck

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1040. [aprssig] Re: igate

From: WA8LMF1@aol.com
Date: Wed, 28 Feb 2001 02:02:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137869-2001.02.28-01.17.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 2/27/01 5:40:06 PM Pacific Standard Time,
schiers@netins.net writes:

> .I
> would recommend nothing less than a 300 mhz Pentium II with 128 mb ram

I've run it very nicely on a "classic" Pentium 133 with 64mb no problems
(except for slow SA8 map redraws) as long as no other apps are running. For
Igating without running SA8, an elderly original Pentium "clunker" should
handle it just fine.

Stephen H. Smith
Email: wa8lmf@aol.com
Homepage: http://members.aol.com/wa8lmf

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1041. [aprssig] Re: Anybody notice weird things with APRServeovernight?

From: Kevin Drissel <n9oig@wi.net>
Date: Wed, 28 Feb 2001 04:42:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137874-2001.02.28-05.04.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I noticed it now with just the last 2 versions YK &YL and its only the call
signs in my pass list or gate list as SA calls it

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1042. [aprssig] Re: igate

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 28 Feb 2001 05:54:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137877-2001.02.28-06.09.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good point...I was thinking of it with SA8....not as a stand alone gateway.
A 300 mhz pentium would not be needed if no mapping is being done.

Thanks for making that observation, right on the mark, Steve

73
hasan schiers, NØAN
schiers@netins.net

----- Original Message -----
From: <WA8LMF1@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, February 28, 2001 1:02 AM
Subject: [aprssig] Re: igate

> In a message dated 2/27/01 5:40:06 PM Pacific Standard Time,
> schiers@netins.net writes:
>
> > .I
> > would recommend nothing less than a 300 mhz Pentium II with 128 mb ram
>
> I've run it very nicely on a "classic" Pentium 133 with 64mb no problems
> (except for slow SA8 map redraws) as long as no other apps are running.
For
> Igating without running SA8, an elderly original Pentium "clunker" should
> handle it just fine.
>
> Stephen H. Smith
> Email: wa8lmf@aol.com
> Homepage: http://members.aol.com/wa8lmf
> --

>
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>
> ------------
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1043. [aprssig] Re: igate

From: "Scott Anderson" <scottra@usa.net>
Date: Wed, 28 Feb 2001 7:7:53
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137880-2001.02.28-07.22.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the solution is to run aprstk in linux - APRSD seems to be the
default solution for a dedicated 24/7 igate, and there are too many
(unique) things (especially satellites) that Bob B does in his aprs

programs not to leverage that. I tried running aprstk in the open source
dos emulator dosemu, but couldn't get it to go. I just got a license for
VMware, a commercial emulator, and will try that this week, apparently it
works better than dosemu. I think it should be possible to pipe the output
of aprstk to the input of aprsd within Linux, or at least that is what I am
trying to do..

scott

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1044. [aprssig] Re: igate

From: "Alex Pinheiro Machado Rodrigues" <alex@bsbnet.com>
Date: Wed, 28 Feb 2001 12:39:58 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137887-2001.02.28-09.55.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Wes and sig.
PT2PG Paulo are creating a igate software in VB. Will not have any maps or
other stuff. Just igate. Are 90% created.
Let's wait.
Thanks!
Alex, PT2VHF
BRAZIL

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, February 27, 2001 9:06 PM
Subject: [aprssig] igate

I have a rather open ended question...

I have a cable modem, some win98 machines, a linux box. I find that winaprs
isn't reliable enough to run an Igate because it crashes everytime I leave
home. Although I am not opposed to running Afilter, I'd rather run the full
data stream from aprsserv. I'd also love to be able to get aprs STK running
and publish the bird's sched's for the locals.

So... what do you guys recommend? run winaprs with afilter? run aprsD in X
? Can I setup a telnet terminal server on the X machine , and run aprs STK
to that serial port? first priority is to get reliable Igate going.... 2nd
is to get aprsSTK going....

now let the flood of opinions loose....

Thanks <ducking for cover>
Wes

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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1045. [aprssig] Re: igate

From: pk@ij.net
Date: Wed, 28 Feb 2001 15:50:01 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137891-2001.02.28-10.07.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS+SA does a very good job as an Igate. Very stable (for Brent still calls it a
"beta".) Great for those who have a need to run a Igate in a MS Windows 9x/NT/2000/ME
environment.   Since I lack a cable modem, I rarely ever setup in Igate mode but I've been

quite happy with how well it works when I do.

Brent has written in quite a number of Igate specific features.

Latest and greatest version is 199YL.

I've been running APRS+SA almost full-time for just under two years now and have been very happy with the stability, constant updates (I've seen multiple updates in the same day,) and a very helpful APRS+SA group. I still learn new things all of the time. I know I am not using it to its full potential.

73
Paul
N4PK

> ----- Original Message -----
> From: "Wes Johnston" <wes@johnston.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, February 27, 2001 9:06 PM
> Subject: [aprssig] igate
>
>
> I have a rather open ended question...
>
> I have a cable modem, some win98 machines, a linux box. I find that winaprs
> isn't reliable enough to run an Igate because it crashes everytime I leave
> home. Although I am not opposed to running Afilter, I'd rather run the full
> data stream from aprsserv. I'd also love to be able to get aprs STK running
> and publish the bird's sched's for the locals.
>
> So... what do you guys recommend? run winaprs with afilter? run aprsD in X
> ? Can I setup a telnet terminal server on the X machine , and run aprs STK
> to that serial port? first priority is to get reliable Igate going.... 2nd
> is to get aprsSTK going....
>
> now let the flood of opinions loose....
>
> Thanks <ducking for cover>
> Wes
>
>
> ---
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>
>
>
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>

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1046. [aprssig] Re: igate

From: tarnerich@in-situ.com (Tony Arnerich)
Date: Wed, 28 Feb 2001 11:53:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137925-2001.02.28-13.07.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"hasan schiers" <schiers@netins.net>

[APRSA+]

>It is demanding from a processor point of view...I
>would recommend nothing less than a 300 mhz Pentium II with 128 mb ram. I'm
>running it on a 412 mhz Pentium II with 256 mb ram and it does rather
>nicely...although I'd still like an 800 mhz pentium III <grin>

On a 233 MHz system running 64 MB, co-resident with a TON of employer-foisted
network stuff, I would regard the SW response times as being perfectly
usable. SA+ does run noticeably faster on my 550 MHz/128 MB home machine, if
the truth be told, but how instant does gratification *really* need to be?
Then again, I drive an SUV not an AC Cobra. ;-)

BTW system power limitations are felt in Street Atlas long before they are
observed in SA+, in my experience.

73,
Tony KD7TA

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1047. [aprssig] APRS Plus wx question

From: "Bob" <w2g3zfj@optonline.net>
Date: Wed, 28 Feb 2001 14:20:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137927-2001.02.28-13.26.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi

I have played around with APRS+ in the past but I can't remember, can it handle a Peet wx station as
winAPRS does i.e. via COM2 straight into the program. Or does it require a separate program?

TIA

Bob
w2/g3zfj

1048. [aprssig] Earthquake!

From: Earl Needham <KD5XB@AMSAT.ORG>
Date: Wed, 28 Feb 2001 12:18:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137928-2001.02.28-13.33.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CNN now carrying news of an earthquake in Seattle mag 6.2.

      7 3
      Earl

Earl Needham, KD5XB   mailto:KD5XB@AMSAT.ORG
Clovis, New Mexico   DM84jk N34d 25.446m W103d 12.700m (or so)

Pet peeve: breath is a noun, breathe is a verb (When you take a breath,
you breathe...)

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1049. [aprssig] Re: igate

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Wed, 28 Feb 2001 11:27:50 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137929-2001.02.28-13.42.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

APRS+SA is a sufficient load on my work 600MHz PIII NT 4.0 box enough that I
won't leave it running on this box. Data is from the internet only. It

slows down other stuff more than I'm willing to tolerate for a great length
of time.

73, Bob

-----Original Message-----
From: bounce-aprssig-17768@lists.tapr.org
[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Tony Arnerich
Sent: Wednesday, February 28, 2001 10:53 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: igate

"hasan schiers" <schiers@netins.net>

[APRSA+]

>It is demanding from a processor point of view...I
>would recommend nothing less than a 300 mhz Pentium II with 128 mb ram. I'm
>running it on a 412 mhz Pentium II with 256 mb ram and it does rather
>nicely...although I'd still like an 800 mhz pentium III <grin>

On a 233 MHz system running 64 MB, co-resident with a TON of
employer-foisted
network stuff, I would regard the SW response times as being perfectly
usable. SA+ does run noticeably faster on my 550 MHz/128 MB home machine, if
the truth be told, but how instant does gratification *really* need to be?
Then again, I drive an SUV not an AC Cobra. ;-)

BTW system power limitations are felt in Street Atlas long before they are
observed in SA+, in my experience.

73,
Tony KD7TA

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1050. [aprssig] RE: Earthquake!

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Wed, 28 Feb 2001 11:33:25 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137930-2001.02.28-13.48.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, it happened

Olympia, Washington area epicenter declared by the UW Seismology Dept.
10 miles ENE of Olympia, 30 miles deep.
6.2 - strongest here in my 40-year experience in this area.
Some old (1900's) buildings have damage.
Seattle-Tacoma Airport is closed pending damage investigation.
As of half an hour later, no noticeable aftershocks.

Near the center of "rock and roll"

73, Bob

Robert Donnell, KD7NM   (206) 542-7661
18828 Midvale Ave N   mailto:kd7nm@pugetsound.net
Shoreline, WA 98133
       Western Washington Amateur IP Address Coordinator

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1051. [aprssig] Re: Can't get Telemetry to work

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Wed, 28 Feb 2001 14:2:22
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137932-2001.02.28-14.17.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 02/27/01, ""Dave Beck" <dbeck@tds.net>" wrote:
> I sure wish I could get WinAprs telemetry working. I can see the MIM
> telemetry data in the terminal display, but can't get WinAPRS to display
> it. There is no Telemetry "list" showing up and Clicking on the station
> doesn't get me any telemetry icons either. Any ideas?

I had a similar problem with WinAPRS 2.4.8 - the telemetry would not
display until my two trackers rolled over to T#000 and restarted the
count. If a MIM lets you reset the count, try it.

...Earl, N3EG

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1052. [aprssig] Re: igate

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Wed, 28 Feb 2001 12:17:57 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137939-2001.02.28-14.33.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob and All,

This machine has 256 megs of memory, so I don't often have issues related to
swapping. Map draw times are speedy, but I usually don't run mapping for
more that a few minutes. I have Street Atlas USA 6.0 running with data on
the hard drive.

The way that APRS+SA and SA work is that APRS+SA periodically writes an SA
compatible data file, then tells SA (via a system call) to read that file.
So SA only works hard when it's told to load the file or the user does
something that modifies the map - like panning or zooming.

Since SA does a complete window redraw when it's told to update, most folks
probably don't configure a map update any more often than once every 30
minutes to 2 or 3 minutes.

Also, Icons that are not standard to SA are handled differently, after the
draw, if they are enabled - which I don't normally do.

And continuing to listen to the broadcast radio about our earthquake. No
major damage hereabouts - just heard a report from one of the major traffic
monitoring stations that's in about the highest building in the city, on the
72nd floor, where they can actually see the freeways. That person reported
quite a wild ride, and it took a couple of minutes for the building to stop
swaying. Most folks report the duration of the earthquake proper to have
been 30 to 60 seconds, and that agrees of my impressions. My office doorway
has a new set of fingerprints.

73, Bob

-----Original Message-----
From: Bob Bruninga [mailto:bruninga@usna.edu]
Sent: Wednesday, February 28, 2001 11:36 AM
To: Robert Donnell
Subject: Re: [aprssig] Re: igate

Are you running with SA at the same time? or just bare-bones APRS+SA?

I woiuld think that running with the two programms interracting is the
biggest part of the load?

I donno, just guessing...

bob

On Wed, 28 Feb 2001, Robert Donnell wrote:

> Hi All,
>
> APRS+SA is a sufficient load on my work 600MHz PIII NT 4.0 box enough that
I
> won't leave it running on this box. Data is from the internet only. It
> slows down other stuff more than I'm willing to tolerate for a great
length
> of time.
>
> 73, Bob
>
> -----Original Message-----
> From: bounce-aprssig-17768@lists.tapr.org
> [mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Tony Arnerich
> Sent: Wednesday, February 28, 2001 10:53 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: igate
>
>
> "hasan schiers" <schiers@netins.net>
>
> [APRSA+]
>
> >It is demanding from a processor point of view...I
> >would recommend nothing less than a 300 mhz Pentium II with 128 mb ram.
I'm
> >running it on a 412 mhz Pentium II with 256 mb ram and it does rather
> >nicely...although I'd still like an 800 mhz pentium III <grin>
>
> On a 233 MHz system running 64 MB, co-resident with a TON of
> employer-foisted
> network stuff, I would regard the SW response times as being perfectly
> usable. SA+ does run noticeably faster on my 550 MHz/128 MB home machine,
if
> the truth be told, but how instant does gratification *really* need to be?
> Then again, I drive an SUV not an AC Cobra. ;-)
>
> BTW system power limitations are felt in Street Atlas long before they are
> observed in SA+, in my experience.
>
> 73,
> Tony KD7TA
>
>
>
> ---
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>
>

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://web.usna.navy.mil/~bruninga/aprs.html
APRS SATELLITES   http://web.usna.navy.mil/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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1053. [aprssig] Mobile APRS and the Icom-706

From: Carl <carltt@bellsouth.net>
Date: Wed, 28 Feb 2001 15:30:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137941-2001.02.28-14.45.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have not tried Mobile HF APRS before.......

I just got a ICOM 706MKll.......

I've got questions.....................

Where can I get the ACC plug....??
Can I use a KAM to be on both HF and VHF APRS at the same time...?
Which one of the APRS's work best with this type of setup.....?
      (I want to see my own position and other APRS stations.....)

Any advice?????????????

Carl   W9ZGU   Hollywood, FL

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1054. [aprssig] Re: Mobile APRS and the Icom-706

From: Gary Hinton <ghinton@eng.mcd.mot.com>
Date: Wed, 28 Feb 2001 15:00:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-137953-2001.02.28-16.15.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Where can I get the ACC plug....??

Try: http://www.buxcommco.com/buxcat.html

Gary

```
+-----------------------------------------------------------------------+
| Gary Hinton    AC7R                Phone: (602) 438-3450              |
| Product Engineering                  FAX: (602) 438-3836              |
| Motorola Computer Group             Pager: (602) 244-3252  #2690      |
| 2900 S. Diablo Way                 e-mail: ghinton@eng.mcd.mot.com    |
| Tempe, Arizona 85282           Mail Drop: DW278                       |
+-----------------------------------------------------------------------+
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1055. [aprssig] RE: Mobile APRS and the Icom-706

From: "Robert Donnell" <kd7nm@pugetsound.net>
Date: Wed, 28 Feb 2001 14:34:34 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137955-2001.02.28-16.51.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Can I use a KAM to be on both HF and VHF APRS at the same time...?

The radio (IC-706) won't do both at the same time. It only transmits on one
band at a time. I believe that the KAM is not a dual-port TNC, so it won't
do both at the same time either, though you should be able to reconfigure it
for use on HF or VHF, with proper config files for whatever software you
decide to use.

73, Bob

```
--------------------------------------------------------------------
Robert Donnell, KD7NM                              (206) 542-7661
18828 Midvale Ave N                  mailto:kd7nm@pugetsound.net
Shoreline, WA  98133
       Western Washington Amateur IP Address Coordinator
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1056. [aprssig] WinAPRS and AGWPE

From: "Mike Hoeft" <mthoeft@worldnet.att.net>
Date: Wed, 28 Feb 2001 18:41:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137962-2001.02.28-17.55.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All
Trying to get WinAPRS 2.4.6 and AGWPE to work together with a PK-232.
WinAPRS won't talk to the TNC via AGWPE. Quitting WinAPRS and running the
AGWTERM program produces fine throughput to the TNC.
Anybody have any hints?
K2MPH@arrl.net

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1057. [aprssig] Re: APRS Plus wx question

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 28 Feb 2001 18:15:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-137976-2001.02.28-18.31.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can run your Peet wx station in "pass thru" mode of APRS+SA on the GPS port with APRS+SA.

If you run an external weather program like Weather-Display or VWS, both of them write APRS compatible files that APRS+SA can read and transmit, using no serial port for weather and APRS+SA.

So...two ways to go:

1. No external wx software: use the GPS pass thru port in APRS+SA and run Peet in either data logging mode or packet mode.

2. Run external wx software that writes an aprs compatible file and don't use the pass thru port of APRS+SA

73

hasan schiers, NØAN
schiers@netins.net

  ----- Original Message -----
  From: Bob
  To: TAPR APRS Special Interest Group
  Sent: Wednesday, February 28, 2001 1:20 PM
  Subject: [aprssig] APRS Plus wx question

  Hi

  I have played around with APRS+ in the past but I can't remember, can it handle a Peet wx station as winAPRS does i.e. via COM2 straight into the program. Or does it require a separate program?

  TIA

  Bob
  w2/g3zfj

1058. [aprssig] RE: Mobile APRS and the Icom-706

From: Skip Allison <sallison@megsinet.net>
Date: Wed, 28 Feb 2001 23:06:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-138005-2001.02.28-23.24.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert Donnell wrote:
>
> >Can I use a KAM to be on both HF and VHF APRS at the same time...?

>
> The radio (IC-706) won't do both at the same time. It only transmits on one
> band at a time. I believe that the KAM is not a dual-port TNC, so it won't
> do both at the same time either, though you should be able to reconfigure it
> for use on HF or VHF, with proper config files for whatever software you
> decide to use.

The KAM does a nice job of APRS on both HF and VHF at the same time.
The IC-706 will only do one band at a time tho. I'd recommend using a
dedicated VHF radio for APRS. You should be able to find a VHF radios
fairly cheap.

Skip
K9SA

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September 2001

Original source file: aprssig.0109
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0109

1. [aprssig] Alaska Launch Complex

From: RMckni8527@aol.com
Date: Sat, 1 Sep 2001 02:31:13 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33650-2001.09.01-01.56.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Several have asked where the launch complex is located for the upcoming PCSat
launch. It is on Kodiak Island, about 40 miles south of Kodiak at Narrow
Cape, location approx 57-26N, 152-20W. Here are a few interesting web sites
that might provide further info:

http://www.akaerospace.com/frames1.html
http://www.angelfire.com/ak4/krlig/

Lots of arguments arising between various factions, some valid, some
ridiculous. I just hope everything goes well for the launch.

73's
Ray - WB3ABN
Kingston, WA

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2. [aprssig] Re: Garmin updates

From: John Vause <jdv@iglou.com>
Date: Sat, 01 Sep 2001 08:50:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33674-2001.09.01-08.13.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes Johnston wrote:
>
> Any of you garmin heads wanting to know if you have the latest and greatest
> firmware, here's the list. Many many models have been upgraded in the past
> year.   Some can be upgraded to WAAS in the blink of an eye.
>
>>snip<<
> StreetPilot (Americas) 2.08 All Americas   07/30/01
>snip

And Garmin still doesn't support "NEMA in" on the StreetPilot. :-(

--
* John Vause KF4ERV jdv@igloudot.com   *
--

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3. [aprssig] RE: New tool: Traffic Monitoring

From: Frank Ingle <73545.1210@compuserve.com>
Date: Sat, 1 Sep 2001 09:38:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33687-2001.09.01-09.03.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 29 Aug 2001, at23:11:05 -0400 (EDT),
Bob Bruninga <bruninga@usna.edu> wrote:

>Trafic monitoring and speed tracking were built into APRSdos since the mid
>90's. There is a special ICON that will disply a SIGN with a
>variable SPEED on it between 0 and 99 MPH. It is listed as a MILE-POST.
>The ICON will display XX on it if "[XX]" is included in the coment field
>of the packet.
>
>Orginal concept was to match a TNC up with one of the $99 radar kits from
>Ramsey ELEX and have it send out a packet. Thus, commuters could zoom in

>on their commute route and see the flow of traffic.

Bob,

Is there a readme file on this topic? I couldn't find any reference to
"MILE-POST"
in my copy of ARPSdos.....

-73-

de KG4CQK
Frank Ingle
AEC for Digital Systems
Duval County, FL

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4. [aprssig] Re: New generic calls proposal - IGATE?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 01 Sep 2001 11:23:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33693-2001.09.01-10.48.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >How would you know where/who the nearest IGate is? I can't tell now by
> >looking at anything on the RF side. Am I missing something simple?
>
> Yes, you left out my quote about the APRS traveler, or a new
> person to the area.
/snip/
> So, the thing you missed is the local DIGI sysops knows the structure
> of their network, and can use alias'ing to redirect the IGATE PID to
> target the closet cluster of IGATE's. In that way, the traveler can
> step off their airplane, and immediately be getting into a IGATE without
> having to learn local network topology or making wild guesses.
>
> Now, did I miss anything here?

I was asking about how things were setup right now...not a future vision
thing. Is there something in the RF stream of an IGate-enabled station
that tells me that they are an IGATE, able to pump my frame to the
Internet system?

Ev, W2EV

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5. [aprssig] Re: Should an IGATE have digi capabilities ???

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 01 Sep 2001 11:59:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33696-2001.09.01-11.25.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I've been tossing and turning as to whether I should incorporate
> RELAY, WIDE, and other digi capabilities to my IGATE project.
>
> If so, what are the recommended digi types that I should go for ?

Hi Maiko,
Having an IGate and a digi in one box seems like a good thing to me.
:o) I'd guess the only suggestion that I'd offer is to allow users to
select their own aliases by which digipeating could occur.

For instance, in the APRS world TRACEn-N is the norm. In the BEACONet
world, it's HOPn-N, but the function is the same.

Ev, W2EV

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6. [aprssig] Re: help with java aprs

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 01 Sep 2001 12:18:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33699-2001.09.01-11.43.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I had a similar problem with javAPRS running locally on a
> Linux machine and a Mac (not through a web server). Given the
> following posits:

Will javAPRS run on any other platforms? I've got a Win98se machine on
a routable IP on a T1 and would like to establish a site to play a
little.

Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

7. [aprssig] Re: Should an IGATE have digi capabilities ???

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 01 Sep 2001 11:25:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33700-2001.09.01-11.44.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:
>
> > I've been tossing and turning as to whether I should incorporate
> > RELAY, WIDE, and other digi capabilities to my IGATE project.
> >
> > If so, what are the recommended digi types that I should go for ?
>
> Hi Maiko,
> Having an IGate and a digi in one box seems like a good thing to me.
> :o) I'd guess the only suggestion that I'd offer is to allow users to
> select their own aliases by which digipeating could occur.
>
> For instance, in the APRS world TRACEn-N is the norm. In the BEACONet
> world, it's HOPn-N, but the function is the same.

I've thought about this some, and the answer to this, as most things is,
it depends.

We're about to put up a new I-gate in Houston, Texas. Because of the
site, a real RF sewer, we plan to backhaul the APRS data on UHF to that
site from a central digi. If the site weren't in the Texas Medical
Center, where every rooftop is saturated with antennas save the one
we're on... and it's still saturated with RF, the engineering hurdles of
putting One More Highband Radio up there are almost insurmountable.

If I had a nice tower site with internet access, and mostly UHF radios
at that site, combining an Igate and a Digi makes sense.
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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8. [aprssig] Re: help with java aprs

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sat, 1 Sep 2001 11:30:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33702-2001.09.01-11.55.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, javAPRS will run on any platform that is capable of doing java. I am
running a copy on mine Win98SE machine also. See:
http://kb9uqq.d2g.com/javAPRS/ . It is actually really easy to get it going.

Just follow the instructions that Steve put together. Look for the link at
the bottom of the http://www.aprs.net/ page.
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
AHubIN APRS Internet Server - http://kb9uqq.d2g.com

_____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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9. [aprssig] RE: New tool: Traffic Monitoring

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 1 Sep 2001 12:47:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33703-2001.09.01-12.11.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Its there, no time to search. Try PROTOCOL.TXT?

Bob

On Sat, 1 Sep 2001, Frank Ingle wrote:

> On Wed, 29 Aug 2001, at23:11:05 -0400 (EDT),
> Bob Bruninga <bruninga@usna.edu> wrote:
>
> >Trafic monitoring and speed tracking were built into APRSdos since the mid
> >90's. There is a special ICON that will disply a SIGN with a
> >variable SPEED on it between 0 and 99 MPH. It is listed as a MILE-POST.
> >The ICON will display XX on it if "[XX]" is included in the coment field
> >of the packet.
> >
> >Orginal concept was to match a TNC up with one of the $99 radar kits from
> >Ramsey ELEX and have it send out a packet. Thus, commuters could zoom in
> >on their commute route and see the flow of traffic.
>
> Bob,
>
> Is there a readme file on this topic? I couldn't find any reference to
> "MILE-POST"
> in my copy of ARPSdos.....
>
> -73-
>
> de KG4CQK
> Frank Ingle
> AEC for Digital Systems
> Duval County, FL
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---

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10. [aprssig] Mic-E Conversion errors

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sat, 1 Sep 2001 11:49:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33704-2001.09.01-12.16.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any idea what application converted this Mic-E packet?
KC9XG-14>APK,APS:@011630z4134.34N/08803.28Wk015/000/TM-D7/M2/IN SERVICE]"5N} /A=000479
This conversion places me about 2 miles NW of my actual location.
Also using a D700, not a D7.

Another converted packet was received at the same time that has the proper location.
KC9XG-14>APK101,W9AZ-15,WIDE:@011736z4134.33N/08803.26Wk015/000/Mic-E/M2/In Service>

Bill KC9XG

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11. [aprssig] Re: New generic calls proposal - IGATE?

From: "Ciemon G0TRT" <g0trtlists@btinternet.com>
Date: Sat, 1 Sep 2001 18:34:38 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33706-2001.09.01-12.58.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't want to get into the tactical callsign thing again, but that might
be an option.

In the UK we're "blessed" by having to use a special callsign. The good
thing is everyone knows where the IGATEs are. All the callsigns are MB7U##

Could using some form of tactical callsign help those that don't have such
callsigns. Thinking whilst I type.. a country ident with IG and then a two
numbers eg USIG01 or CAIG02 or PAIG03. Now someone would have to co-ordinate
a big list of these tactical callsigns.

Just a few ideas. Please, shoot it to pieces, I'll learn.

73.....Ciemon Dunville GOTRT Sysop MB7UPG IGate
ICQ - 6263612
homepage - www.aprsuk.net
Where is Ciemon's home station?
http://www.findu.com/cgi-bin/find.cgi?mb7upg

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12. [aprssig] Re: New generic calls proposal - IGATE?

From: Jeff King <jeff@aerodata.net>
Date: Sat, 01 Sep 2001 15:06:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33721-2001.09.01-14.28.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote on IGATE redirector proposed by author of DIGI-NED:

> > So, the thing you missed is the local DIGI sysops knows the structure
> > of their network, and can use alias'ing to redirect the IGATE PID to
> > target the closet cluster of IGATE's. In that way, the traveler can
> > step off their airplane, and immediately be getting into a IGATE without
> > having to learn local network topology or making wild guesses.

> > Now, did I miss anything here?

> I was asking about how things were setup right now...not a future vision

> thing.

Yeah, techically you are right. Yet the one that brought it up was the
author of DIGI-NED, hence, the future is a few keystrokes away. He
was asking for feedback on his suggestion.

-Jeff

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13. [aprssig] Re: [Bob Bruninga] RE: UIview and WIDE7-7 recommendations

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sat, 1 Sep 2001 22:03:48 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33724-2001.09.01-15.28.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

Let me start by saying I'm not holding a pHd in radio propagation. I think I
have an idea however what's going on in this discussion (besides ego
problems).

Firstly there is a theoretical network, a perfect grid were packets have
multiple paths towards other digis, in the 6 way model even without loosing
a hop.

Secondly this there is the practical network. I think the problem with the
real network is that it is not a perfect grid, but a maze with many broken
wires. That is to say, there are redundant paths, but not as many as in the
theoretical grid and not without at least one hop penalty.

Then I read the agruments, I think the discussion is taken with two
different mindsets. The theoretical mindset and the pratical mindset an thet
do not yield the same result. Fighting about who is right is useless, you
will never agree if you are looking with 2 different binocculairs (one
theoretical and one practical).

If I look at my practice here I have 2 single point of failure routes for
all packets I transmit at the start of the transmission. First of all, all
my packets have to go through PI1APA, the digi placed here in the town where
I live. The next hop is from PI1APA to PI1APK which is the real "wide" on an
elevated are outside my town. There are some other digis that can also hear
PI1APA but not as reliable.

I think the practical network has an auwfull lot of these "holes" in the
grid - missing grid interconnections between digis. If there is 70% chance
for each hop, then I have to live with a success-rate of 0.7 * 0.7 = 0.49
for all my packet, at least. This 70% is also questionable, if the QRG is
more than 18% loaded then collisions will kill more of my packets,
especially PI1APA-PI1APK because PI1APK hears a lot of traffic due to its
high location.

You can make a working grid, but as far as I can see our digis are too-wide
spaced to make it so. Also the difference in placement and coverage also
distorts the grid. The higher digis reach further but also catch more QRM.

I'm a layman an maybe I'm completely wrong, but what I see here looks like a
clash between theory and practice.

As for comparing to hexagons used in cellular. When the argument started I
thought about it but I declined comparison with that real fast. As far as I
know those systems (NMT, GSM and UTMS, CDMAone, PDS) are all single hop on
RF. You only have to go from the mobile to the basestation but the grid
between the basestations is either copper wire or dedicated RF
point-to-point links (mini-link for example). So there is no need for
basestations to see eachother or floading. An example of floading occurs for
example for RIP between internet routers. You can borrow that theory, but
that are copper wire links are of course much more reliable and its a better
grid.

Making the grid in APRS tighter in practice implies usage of more
digipeaters. But with every digipeater also the traffic increases since
every digipeater produces its own set of copies. Since everything takes
place on the same RF link mutual interferrence also raises with every digi.
This is one of the big differences with a copper grid or a RF node network

were every connection is privat. Besides that a powerfull digi in the grid distoreds the grid. Especially the mutual interferrence to to use of the same frequency makes the definition of a correct theoretical model very cumbersome in my opinion.

Is there anybody with experience from Mobitex? I think this system works a bit like APRS, althouh I think the repeaters are more balanced than APRS due to real network planning for those systems (instead of ad-hoc organic planning for APRS).

Okay, I think I had to throw this in for consideration. This is only based on what I think is logic and makes sense. I'm missing any theoretical background in this so it is most certainly possible that I'm overlooking something which voids my logic. I guess this discussion here is to learn new things, so if I'm mistaken please correct me.

Kind regards,

Henk.

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14. [aprssig] Re: Question about list

From: Bob Nielsen <nielsen@oz.net>
Date: Sat, 1 Sep 2001 13:10:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-33726-2001.09.01-15.36.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Owen (cc'd to the list for the benefit of all--I apologize for the bandwidth):

There is a button marked "status" which initally says "mail: receive messages as they are contributed". Other choices if you click on the button are "digest: one daily message with the contributions for that day", "index: one daily message with only the subject lines for that day" and "nomail: receive no mail from this mailing list".

However, it doesn't appear that there is a mechanism on this page to change an existing subscription. I took a look at one of the introductory messages I received when the Lyris mail server was set up at TAPR and found that you can do that in the following way:

3. CHANGING YOUR SETTINGS/ADDRESS VIA THE WEB INTERFACE: To do this, go
   to <http://www.tapr.org/cgi-bin/lyris.pl> and click the link in the
   "Change Your Settings" section. You'll need to enter your e-mail
   address and password (if you chose one) to continue.

   (If you've forgotten your password, you can type in your e-mail address
    in the field at the bottom of the page and click "Get password" to
    request Lyris to e-mail your password to you.)

You can also make changes with a message sent to "lyris@lists.tapr.org". You need to put one of the following in either the subject line or in the body of the message:

```
SUBSCRIBING:
  subscribe aprssig your_name
  join aprssig your_name
  alternate address: join-aprssig@lists.tapr.org

UNSUBSCRIBING:
  unsubscribe aprssig
  leave aprssig
  alternate address: leave-aprssig@lists.tapr.org

SETTING MEMBERSHIP TO DIGEST MODE:
  set aprssig digest

SETTING MEMBERSHIP TO INDEX MODE:
  set aprssig index

SETTING MEMBERSHIP TO DISCUSSION MODE:
```

```
                  set aprssig mail

                TEMPORARILY SUSPENDING MAIL FROM THE LIST:
                  set aprssig nomail

                RESUMING MAIL FROM THE LIST:
            (command depends on your preferred mode)
                  set aprssig mail
                  set aprssig digest
                  set aprssig index

                ACKNOWLEDGMENT:
                  set aprssig ack
                     (sends you a confirmation message when your posts are sent)
                  set aprssig noack
                    (no confirmation message when posts are distributed)

                RECEIVING COPIES OF YOUR OWN POSTS:
                  set aprssig repro
                    (receive copies of your own posts)
                  set aprssig norepro
                    (do not receive copies of your own posts)

                SETTING YOUR PASSWORD:
                  set aprssig pw=mypassword
                    (where "mypassword" is the password you wish to set)

                DETERMINING YOUR MEMBERSHIP SETTINGS:
                  query aprssig

                RETRIEVING THE CURRENT VERSION OF THIS DOCUMENT:
                  get aprssig hello

                MORE INFORMATION ON LYRIS'S COMMANDS:
                  help


Bob

On Sat, Sep 01, 2001 at 10:13:14AM -0700, Owen Mulkey, N0WO wrote:
> Bob: I hit that website to try get in digest mode. I did not see anything
> that looked as if it would do it. Did I miss something?
> Thanks,
> Owen, N0WO
> ----- Original Message -----
> From: "Bob Nielsen" <nielsen@oz.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, August 31, 2001 12:36 PM
> Subject: [aprssig] Re: Question about list
>
>
> > On Fri, Aug 31, 2001 at 11:58:03AM -0400, Terry Halladey wrote:
> > > Is it possible to be placed in digest mode?  If so how do I go about it?
> >
> > http://www.tapr.org/cgi-bin/lyris.pl?site=tapr&join=aprssig
> >
> > Bob, n7xy

--
Bob Nielsen, N7XY                          nielsen@oz.net
Bainbridge Island, WA                      http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

15. [aprssig] RE: New tool: Traffic Monitoring

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 1 Sep 2001 16:13:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33727-2001.09.01-15.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

On Sat, 1 Sep 2001, Bob Bruninga wrote about the road traffic Speed
Display ICON in APRSdos that displays a Road-side sign with the speed on
it:

> Its there, no time to search. Try PROTOCOL.TXT?

Did not mean for that to sound so brisk, and I thought it was a private
reply. Yes, the description is in PROTOCOL.TXT under a small paragraph
labeled "signposts". The ICON is simply an alternate table, lower case
"m".   Just put that object on your map and include {xx} in the comment
field for the object and a sign will appear on your maps at the 8 mile or
lower ranges with the numerals xx on it. The "m" was for Milepost and so
in APRSdos you will find it under the SYMBOL selection menu for M's.

[Remember back before Windows when all APRS ICONs were called SYMBOLS...]
[For more information on other special SYMBOLS, see SYMBOLS.TXT]

The signpost or milepost ts a great little SYMBOL for putting changing
information on maps for travelers in the area without cluttering up the
map at larger range scales...

I dont think most other authors implemented it. And since most also did
not subscribe to the common reference for "range scales" either, the
disappearance of the Signs as you zoom out beyond the 8 mile scale to
eliminate clutter also might not work.

Hope that helps.
de WB4APR, Bob

Frank Ingle wrote: >
> > On Wed, 29 Aug 2001, at23:11:05 -0400 (EDT),
> > Bob Bruninga <bruninga@usna.edu> wrote:
> >
> > >Trafic monitoring and speed tracking were built into APRSdos since the mid
> > >90's. There is a special ICON that will disply a SIGN with a
> > >variable SPEED on it between 0 and 99 MPH. It is listed as a MILE-POST.
> > >The ICON will display XX on it if "[XX]" is included in the coment field
> > >of the packet.
> > >
> > >Orginal concept was to match a TNC up with one of the $99 radar kits from
> > >Ramsey ELEX and have it send out a packet. Thus, commuters could zoom in
> > >on their commute route and see the flow of traffic.
> >
> > Bob,
> >
> > Is there a readme file on this topic? I couldn't find any reference to
> > "MILE-POST"
> > in my copy of ARPSdos.....

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

16. [aprssig] Cellular comparisons

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 1 Sep 2001 16:38:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33729-2001.09.01-16.02.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 1 Sep 2001, Henk de Groot wrote:

> As for comparing to hexagons used in cellular.... <Snip>
> Making the grid in APRS tighter in practice implies usage of more
> digipeaters. But with every digipeater also the traffic increases since
> every digipeater produces its own set of copies. Since everything takes
> place on the same RF link mutual interferrence also raises with every digi.

Sorry, I may have confused everyone. When I suggest that as APRS traffic
increases, the cells must get smaller, I do not intend to imply that the
cell-to-cell traffic still remains on the main RF channel. I assume that
we have an off-channel backbone.

Smaller Cells in this case are probably not ever going to get to the point
of single digis, but are clusters of obvious population density. I think
we all agree that we need to get the long haul traffic off of 144.39. And
each area has different conditions defining what "long haul" and "local
mean..

Hope that helps clarify what I originally meant.

Bob, WB4APR

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17. [aprssig] RE: New tool: Traffic Monitoring

From: Earl Needham <needhame@yucca.net>
Date: Sat, 01 Sep 2001 15:16:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33730-2001.09.01-16.40.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:47 PM 9/1/2001 -0400, Bob Bruninga wrote:
>Its there, no time to search. Try PROTOCOL.TXT?
>
>Bob

Look at both items below.

From SYMBOLS.TXT:

>VALUE SIGNPOSTS: Signposts display as a yellow box with a 1 to 3 letter
>overlay on them. You specify the 1-3 letter overlay by enclosing them
>in braces in the comment field. Thus a VALUE Signpost with {55} would
>appear as a sign with 55 on it. This was designed for posting the speed
>of traffic past speed measuring devices. They can be used for any purpose.
>But to avoid cluttering the map, they ONLY appear at 8 miles and below
>AND they do not show any callsign or name. Only the yellow box and the
>3 letters. Select them from the OBJECT menu under VALUE...

From PROTOCOL.TXT:

>SIGNPOST: This special object will only appear on a map below the 8 mile
>scale. It appears as a highway sign and will display up to a 3 digit
>value on the sign if it is included in the comment text within braces
>{30}. The intention of this object is for displaying the speed of the
>flow of traffic past a point or any other changable quantity suitable for
>a sign.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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18. [aprssig] Re: [Bob Bruninga] RE: UIview and WIDE7-7 recommendations

From: Brian Badger <bbadger@yahoo.com>
Date: Sat, 1 Sep 2001 14:29:13 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33732-2001.09.01-16.52.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Bob Bruninga <bruninga@usna.edu> wrote:
> lets all say it together...
>
****
> The chances of WIDE7-7 to go out to the 7th tier of
> digis is small
>
****

Bull Bull Bull Bull Bull. (Bull!)

Here are 6 packets from a 6 minute interval last
night, heard at N0KZ-5. As they were heard BY a
UIFLOOD/UITRACE digi, the WIDE7-1 was changed to
WIDE7* upon retransmission.

You will note, if your ego does not blind you to the
obvious, that they take redundant paths to travel from
one fixed starting point, to one fixed endpoint 6 out
of 7 times.

KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-1:@010343z3253.94N/10514.51Wk322
/042/

KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-1:@010344z3254.66N/10515.04Wk004
/046/

KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-1:@010345z3255.38N/10515.01Wk038
/042/

KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,WA5IHL-9,N0XT-4,N0KIC-5,KB0UUR,TRACE7*:@010346z3255.66N/10514.
84Wk047/036/

KC5MVY>APS200,K5BEN-15,WA5IHL-14,KD5CHU-15,N0XT-4,N0KIC-5,KB0UUR*,TRACE7-1:@010348z3256.12N/10516.14Wk28
0/042/

KC5MVY>APS200,K5BEN-15,WB5EZO-10,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-2:@010349z3256.51N/10517.14Wk295/053/

I looked at the digi again this morning -- this guy is
still at it.

--
Brian N0KZ

_____
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19. [aprssig] RE: UIview and WIDE7-7 recommendations

From: Brian Badger <bbadger@yahoo.com>
Date: Sat, 1 Sep 2001 14:31:28 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33734-2001.09.01-16.55.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Bob Bruninga <bruninga@usna.edu> wrote:
> I agree that the goal of APRS is to reach the
> participants in your
> tactical communications scenario. Usually that
> means direct, or one or
> two hops. Anything beyond about 3 hops or so
> becomes so unreliable that
> no one should ever plan on using it for a tactical
> event.

Simply said, this statement is totally and completely
false. Present your data, Bob... I have presented
mine.

--
Brian N0KZ

_____
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20. [aprssig] Re: [Bob Bruninga] RE: UIview and WIDE7-7 recommendations

From: Brian Badger <bbadger@yahoo.com>
Date: Sat, 1 Sep 2001 14:49:10 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33736-2001.09.01-17.12.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Henk de Groot <henk.de.groot@hetnet.nl> wrote:
> Then I read the agruments, I think the discussion is
> taken with two
> different mindsets. The theoretical mindset and the
> pratical mindset an thet
> do not yield the same result. Fighting about who is
> right is useless, you
> will never agree if you are looking with 2 different
> binocculairs (one
> theoretical and one practical).

Henk,

You are right on the money, and yet something else
needs to be said. Some of us have done detailed
analysis of our local network and have attempted to
model it as accurately as possible. Our "theoretical"
model starts with empirical evidence.

As a result, the product of that model closely matches
the real one.

Your network, with "single points of failure" would be
modeled in a totally different way, and therefore
broad generalizations such as "WIDE7-7 is too long a
path", etc, do not apply to your network.

That is, of course, the whole point of this debate.
Certain persons on this list have tried to make up
strict rules for the whole network -- regardless of
topology. Suffice to say, I don't think that's a good
idea.

73
--
Brian N0KZ

_____
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21. [aprssig] Re: Should an IGATE have digi capabilities ???

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sat, 1 Sep 2001 23:35:45 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33737-2001.09.01-17.34.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Hamish,

Van: "Hamish Moffatt" <hamish@cloud.net.au>
> Does digi_ned support sockets or does it need a serial TNC?
> Excuse my ignorance, I haven't tried it yet.

DIGI_NED on Linux uses the AX.25 kernel support through sockets, no TCP/IP.
You can easliy make a "loopback" using the AX.25 utilities to feedback data
from DIGI_NED to an IGATE (one way to do it is described in the DIGI_NED
documentation). DIGI_NED can handle cross-band digipeating to up to 8 ports.
You can setup 1 port on RF and 1 port on the internal loopback to the IGATE.
Then everything from RF can be digipeated to both RF and the IGATE, data
from the IGATE can be passed to RF if you want. You can change the setup of
DIGI_NED so it doesn't use up a hop, then it more or less acts as a router
routing packers from input to output. If TNOS can setup a link to an AX.25
socket in the Linux kernel you can combine TNOS and DIGI_NED giving a very

flexible setup. You also can add another port with loopback to connect
Xastir so can send data from the IGATE to Xasitr without having to send this
data to RF.

DIGI_NED on DOS uses a MAC-Layer driver to talk to different modems. You can
make similar configurations as with Linux where you connect DIGI_NED to JNOS
via a serial KISS link. Of course in that case you need a separate PC, but a
286 will do. We have an interlink experiment running on our packet network
where DIGI_NED is a front-end gathering data from the APRS QRG to send over
this interlink. The interlink software is in our case AX, which is another
experimental package from another HAM and uses NET/ROM. This AX interfaces
with other AX nodes using a non-AX.25 protocol which has no name yet. This
protocol can transfer packets out-of order so a rej doesn't stall the
transmission until the packet is retransmitted. Also a number of interlinks
between packet nodes use this. That way we have an RF backbone also carrying
all APRS traffic.

Anyway, DIGI_NED is great to be used as APRS front end between the APRS
traffic and some backbone that uses another protocol. DIGI_NED can copy the
data between all the ports - transparent without loosing a hop if needed.
DIGI_NED if GPL software so if you want to use parts in TNOS be my guest
(that is if TNOS/JNOG is GPL too which I think it is). I am more in favour
of the Unix building block principle, DIGI_NED is good at digipeating and
TNOS is a good node and good at TCP/IP. The combination is very powerfull.
Same can be said for using it with combinations of APRSd and DIGI_NED.

The key here: *experiment*! You can make the most mind bogling applications
with all the existing building-blocks and tools that have been developed for
Linux, exploid this and not re-invent the wheel.

Kind regards,

Henk.

By the way, you can also use DIGI_NED directly for BEACONet, just put in the
HOPn-N rules which can be easily copied from the WIDEn-N rules, so for
example you could also cross-band between APRS and BEACONet or whatever you
like.

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22. [aprssig] Re: New generic calls proposal (back on topic)

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 2 Sep 2001 00:09:34 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33738-2001.09.01-17.34.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Wes,

Van: "Wes Netzero" <wes@johnston.net>
> Someone suggested a few years ago that a packet with nopath should be
> assumed to be routed to the nearest IGATE. Is this possible with
digi-ned?

Yes, this is possible. There is a rule called "digito:" which looks at the
"TO" address, but only if there are no digis specified at all. As operation
it can change the TO adress's SSID (used for destination SSID digipeating)
and add a digipeater path.

> But, a packet with NOPATH specified like this:
> kd4rdb>aprs:[data]
> Would come out as
> kd4rdb>aprs v [digi1],[digi2],.....,[igate]:[data]

A rule like this in digi_ned.ini does it:

digito: all APRS-0 all 0 add digi1,digi2,.....,igate

Which means: packets from all ports with destination address APRS (with SSID
0) are to be send out to all ports with new SSID 0 (i.e. unaltered) with
"digi1,digi2,.....,igate" added to the digipath. Since

"digito:" rules are only interpreted when the digipeater path is empty the

added path is the only path. Instead of operation "add" in the case
operation "new" whould have done the same.

An explicit check on SSID 0 is needed because otherwise the packet needs to
be digipeated based on the destination SSID as described in the APRS
specification.

> [DHCP like idea]
>
> For example:
> HIDIGI-1>LOCAL:R,W2-2
> or
> HIDIGI-1>IGATE:R,W2-2,K9PUP (or whatever is appropriate)

For the digi no problem, just some extra beacons, unless it has to be
addaptive. The problem is that clients should understand it. I think it is
nice if a digi sends advisories like this to support the end-user.

Kind regards,

Henk.

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23. [aprssig] RE: UIview and WIDE7-7 recommendations

From: Rich Jackson <hparc@mindspring.com>
Date: Sat, 01 Sep 2001 18:20:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-33739-2001.09.01-17.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Here are 6 packets from a 6 minute interval last
>night, heard at N0KZ-5. As they were heard BY a
>UIFLOOD/UITRACE digi, the WIDE7-1 was changed to
>WIDE7* upon retransmission.
>
>
>KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-1:@010343z3253.94N/10514.51Wk32
2/042/
>
>I looked at the digi again this morning -- this guy is
>still at it.

15 seconds at WWW.QRZ.COM gives
KC5MVY email snslay@swbell.net

Instead of spending a week arguing about it, why don't one of you guru's
send the bloke a note and HELP him? I thought that was what this list was for.

24. [aprssig] Re: Should an IGATE have digi capabilities ???

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 2 Sep 2001 12:08:59 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33750-2001.09.01-21.32.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Sep 01, 2001 at 11:35:45PM +0200, Henk de Groot wrote:
> DIGI_NED on Linux uses the AX.25 kernel support through sockets, no TCP/IP.
> You can easliy make a "loopback" using the AX.25 utilities to feedback data
> from DIGI_NED to an IGATE (one way to do it is described in the DIGI_NED
> documentation). DIGI_NED can handle cross-band digipeating to up to 8 ports.

Sounds great Henk.

The simplest configuration would be just to run aprsd and digi_ned
at the same time without any interaction between them. They can easily
share a linux ax.25 device. (I run aprsdigi and aprsd here presently.)
And you can run Xastir at the same time as well.

Really, there's no reason not to run a digipeater for at least the
RELAY alias. As Bob says, everybody should do RELAY.

I don't think digipeater support should be added to aprsd or

TNOSaprs though.. The UNIX way is to have multiple programs which
each do a small function well, rather than to build monster
applications. And over 20 years I think UNIX has proven this
approach works well.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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25. [aprssig] Kenwood TH77a handheld and APRS...

From: Mark Dieterich <n2pgd@arrl.net>
Date: Sat, 1 Sep 2001 22:45:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33756-2001.09.01-22.08.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

I'm trying to put a Kenwood TH77a into service in conjunction with a TinyTrak.
It's been one headache after another (I seem to have some RF issues with
TinyTrak or Tripmate), anyways, the real problem I need help with is that
the transmitted audio is terrible. I did the trick with replacing R5 (the
220K resistor) and the audio is still down in the mud. Has anybody used this
radio for APRS? Any suggestions?

73,

Mark

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26. [aprssig] Re: MFJ-1270C and Tripmate

From: "Dale E. Reed" <w8abz@core.com>
Date: Sat, 1 Sep 2001 23:22:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group digest" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33762-2001.09.01-22.47.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Vince (and cc: to SIG)

I guess you didn't find my later posting on how to get the Tripmate working.
I deleted it long ago, but I kept a printout in my APRS hardcopy file, so
I've typed it in (below), making a few fixes and clearing up the
instructions a bit. Here goes:

 STANDALONE TRACKER USING TRIPMATE AND MFJ-1270C TNC

(best viewed in a fixed-pitch font, like Courier)

Thanks to those on the SIG who provided hints to get
my standalone tracker working. Ted, WA7ZZB, and John,
WA4SSP, had the magic hint. I needed to use the
$PRWIILOG command to stop sending the GSA, GSV and ZCH
sentences and to slow down the RMC and GGA sentences.
Now the input buffer on my MFJ-1270C does not overflow
and I get good data being sent on the radio.

After further testing, I saw that the $GPRMC sentence
wasn't updating for some reason, so I turned that off
too. The $GPGGA provides the position and altitude
info I need, so no problem.

For future reference for others, here's how it's set up:

Tripmate setup:

  Do this part using a portable PC where you can "see"
  the satellites and get a fix:

```
  Hook the Tripmate to your PC and run your terminal
  program at 4800 baud.  Use the battery pack with the
  Tripmate for this.  When the Tripmate sends ASTRAL,
  respond with ASTRAL <cr> (all caps) from the
  keyboard.  Now wait for the Tripmate to get a fix
  and start sending ALL its sentences (RMC, GGA, GSA
  and GSV).  (Sending a command to slow or stop a
  sentence doesn't seem to work until the Tripmate
  has been sending that sentence...)

  Send the following to the Tripmate using the keyboard.
  The Tripmate won't echo (it's sending sentences) so
  type carefully.  Set CAPS LOCK, since you want to send
  all uppercase:

     $PRWIILOG,RMC,V,,,<cr><lf>
     $PRWIILOG,GSV,V,,,<cr><lf>
     $PRWIILOG,GSA,V,,,<cr><lf>
     $PRWIILOG,ZCH,V,,,<cr><lf>
     $PRWIILOG,GGA,A,T,5,0<cr><lf>

   Note: <cr> is a carriage return (enter key) and
   <lf> is a line feed (set your terminal program to
   send line feeds with each carriage return, or use
   Ctrl-J to send the <lf> manually.  Also, swap the
   RMC and GGA above (so the RMC line has the A,T,5,0
   in it) to use GPRMC instead of GPGGA to get pos.
   and course/speed instead of pos./alt.)

  Now the Tripmate should only be sending $GPGGA
  sentences every 5 seconds.

  IF YOU USE THE TRIPMATE WITH OTHER SOFTWARE, YOU'LL
  HAVE TO REDO THE ABOVE!!!  MOST MAPPING SOFTWARE
  WILL RESET THE SENDING RATES!!!

MFJ-1270C setup:

  At the "cmd:" prompt, give the MFJ the following
  commands:

  MYCALL     (your call)
  MYALIAS    (usually RELAY)
  UNPROTO    GPSxyn via RELAY,WIDE2-2
                     (adjust path as needed, and
                      adjust the "xyn" of GPSxyn to
                      get the symbol you want; see
                      the APRS Protocol Spec for more
                      info.  GPSMV will get you a
                      car icon, if memory serves...)
  MONITOR    OFF
  LFIGNORE   ON      (to ignore the <lf> the Tripmate
                      sends after each <cr>)
  XFLOW      ON      (default, but be sure it's ON!)
  NMEAFLT1   GPGGA
  MNEAFLT2   %       (disables second sentence)
  NMEABCN    30      (sends every 5 minutes --
                      30 x 10 seconds; adjust to
                      fit your needs)
  ECHO       OFF     (do this last so you can see
                      what you're doing with the
                      other commands!!!)

  Optional commands;

  DIGIPEAT   OFF     (or DIGI ON and HID ON to ID
                      legally)
  MAILBOX    OFF
  BTEXT      (whatever)
  BEACON     EVERY 0 (to disable, or EVERY 54 for
                      beacons every 9 minutes, etc.)
  CTEXT      (where to reach you, and "disconnecting...")
  CMSG       ON
  CMSGDISC   ON      (to send CTEXT and disconnect,
                      or just CONOK OFF to disable conn.)

  After you issue the NMEABCN command and then power
  down and back up the TNC, it will be in the "NMEA"
```

mode and will output only the $GPGGA strings over
the air. (To get out of this mode, send a Ctrl-C
to the Tripmate to get the "cmd:" prompt, then set
NNEABCN to 0.)

Wiring:

Get the TNC-to-Radio connection working for normal
packet operation first. Then hook up the Tripmate
to the TNC as follows:

Wire pin 5 from the Tripmate to pin 7 of the TNC.
This is signal common. (It's also power common.)

Wire pin 4 from the Tripmate to pin 6 of the TNC.
Even though this is about 13 volts, it's a valid
RS-232 signal and the Tripmate can handle it.
(See below about power.) This handshake pin tells
the Tripmate to turn on.

Wire pins 2 AND 3 of the Tripmate to pin 2 of the
TNC. This makes the Tripmate hear its "ASTRAL"
string on powerup, and sends the data to the TNC.
Leave pin 3 of the TNC open. (The TNC doesn't
send anything to the Tripmate.)

Power:

If you have the Tripmate external power kit, use
it. Otherwise, you'll need to regulate power down
to 6 volts or use the battery pack for power. A
LM7806 6-volt voltage regulator, or a LM-317
adjustable regulator with appropriate resistors
will do nicely. Use one in a TO-220 package and
heat sink it. In a pinch, 5 volts (7805) will
work, but the receiver works better with 6 volts.
See other postings about the internal pins to
jumper, and apply the 6 volts to pin 9 of the the
Tripmate RS-232 connector.

NOTE: VOLTAGE OVER ABOUT 8 VOLTS POWERING THE
TRIPMATE WILL DESTROY IT!!! DO NOT APPLY 12
VOLTS TO THE TRIPMATE POWER!!! YOUR POWER
SUPPLY TO THE TRIPMATE SHOULD BE 6.0 VOLTS
PLUS OR MINUS ABOUT 0.1!

Hope this helped, Vince.

BTW, I won't be able to help with other MFJ-1270 questions.
I donated both my 1270B and 1270C to the NOAA hurricane
chase plane folks down in Florida!

Good luck es 73,
Dale, W8ABZ
[EN91]
w8abz@core.com

----- Original Message -----
From: Vince <heffer@mindspring.com>
To: <w8abz@arrl.net>
Sent: Wednesday, August 29, 2001 11:30 AM
Subject: MFJ-1270C and Tripmate

> Hi Dale,
>
> I'm getting ready to connect an MFJ-1270c and Tripmate and se no
reference to GPS
> in the manual. Did you get your question answered? Is there anything
you'd like to
> share (i.e. TNC settings, etc?)
>
> Thanks
>
> Vince
> KF4ZMV
>

>
>
> Comments of Dale Reed, W8ABZ
>
> Considering purchasing an MFJ Data Radio for mobile. Would require
appropriate xtals.
> Currently using an MFJ-1270C TNC w/ Radio Shack HTX-202 and RadioShack 30W
amplifier
> for W8ABZ and an MFJ-1270B TNC (with firmware upgrade) and HTX-202 for
W8ABZ-8
> (mobile). Am attempting to build standalone mobile tracker W8ABZ-8
consisting of
> MFJ-1270B (upgraded FW), DeLorme Tripmate GPS and HTX-202 (later to be
replaced with
> MFJ data radio). Any help in interfacing the Tripmate to the MFJ TNC
would be greatly
> appreciated!!! Like I said, I'm a NEWBIE at this and haven't met the
local APRS network
> gurus. Will meet soon, and will keep plugging away at the Tripmate. Will
let you know
> what I get working!
>

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27. [aprssig] What are these packets?

From: "James Jefferson" <jjeffers@deskmedia.com>
Date: Sat, 1 Sep 2001 22:58:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33764-2001.09.01-23.21.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can somebody please help me figure out what these packets are and what
produces them. As two people were APRS chatting this evening I saw
dozens of packets like this go by:

N0AN>APS200,KI0BW-4,KB0JBF-1,WIDE*:}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0406----------------00F

It appears that an IGATE is attempting to gate the message to RF. Is
that right? Is the IGATE misconfigured or is this normal behavior.

-Jim Jefferson KB0THN

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28. [aprssig] RE: What are these packets?

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sat, 1 Sep 2001 23:11:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33768-2001.09.01-23.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

James,

N0AN has indeed gated a 3rd party packet to RF properly.

N0AN saw a packet on the Internet feed from a station in his stations.txt
or a station that has been heard locally within the last 30 minutes, etc.
KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0406----------------00F

He then sent
}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0406----------------00F to his TNC.

The TNC then created the standard header using N0AN's MyCall and UNPROTO
settings and placed
}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0406----------------00F in the
payload.

HTH,
Bill KC9XG

On Saturday, September 01, 2001 10:58 PM, James Jefferson
[SMTP:jjeffers@deskmedia.com] wrote:
> Can somebody please help me figure out what these packets are and what
> produces them. As two people were APRS chatting this evening I saw
> dozens of packets like this go by:

>
N0AN>APS200,KI0BW-4,KB0JBF-1,WIDE*:}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D90
2ED0406----------------00F

> It appears that an IGATE is attempting to gate the message to RF. Is
> that right? Is the IGATE misconfigured or is this normal behavior.

> -Jim Jefferson KB0THN

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29. [aprssig] Visiting USA for DCC

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sun, 2 Sep 2001 15:26:50 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33787-2001.09.02-00.52.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day All

I will be visiting the USA in a couple of weeks for the DCC in
Cincinatti... My itinery is
        September 16   Arrive Los Angeles - Stay in Hollywood
        September 20   Leave Los Angeles - Arrive Cincinatti
        September 24   Leave Cincinatti - Arrive Santa Barbara
        Spetember 27   Leave USA [just before Midnight]

I would be interested in hearing from any clubs that I could visit
during my trip. I can give a talk on Ham Radio in the Sydney olympics if
requested too...

Also I am looking for dialup internet access for the time I am in the
USA... Prepaid would be ideal - can anyone offer any suggestions?

Many thanks

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au for domain names

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30. [aprssig] useless & petty bickering (was RE: UIview and WIDE7-7 recommendations)

From: "Wayne" <w.jorns@home.com>
Date: Sun, 2 Sep 2001 01:24:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33789-2001.09.02-01.48.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Stan
  Is it possible to have this ill-mannered name-calling thread put to rest
(or off-line)? The bickering has presented no information of any value to
the SIG in the last several days in spite of the tremendous amount of
bandwidth being wasted. The latest inputs only bring the signal-to-noise
ratio of the SIG to a new low.
Thanks & 73
Wayne KE6DZD

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31. [aprssig] WinXP revisted

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 02 Sep 2001 02:48:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33800-2001.09.02-03.12.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've found some more shortcomings in WinXP. I'm told that if you want
dual monitor and or dual processor support, only the PRO version of XP will
suport those features. Early reports also show that a typical install
hogs about 1.5 GB of hard drive space - NOT including a swap file.

A person I know who works for the State of Arizona (and is a Ham) has told
me that they're strongly considering dumping Microsoft as the OS provider
of choice and going to Linux and Star Office.

73,

Mark
KC7BXS

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32. [aprssig] Re: WinXP revisted

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 2 Sep 2001 18:20:20 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33802-2001.09.02-03.44.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Sep 02, 2001 at 02:48:11AM -0500, Mark Fellhauer wrote:
> I've found some more shortcomings in WinXP. I'm told that if you want
> dual monitor and or dual processor support, only the PRO version of XP will
> suport those features.

That's not really any different to the current situation; 95/98 (and
presumably ME) only support single processor systems; you need NT/2000
for multiple CPU support. Not that that makes it right.

> A person I know who works for the State of Arizona (and is a Ham) has told
> me that they're strongly considering dumping Microsoft as the OS provider
> of choice and going to Linux and Star Office.

Sounds like an excellent plan.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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33. [aprssig] Re: WinXP revisted

From: blitz <blitz@macronet.net>
Date: Sun, 02 Sep 2001 05:48:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-33803-2001.09.02-05.13.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Star Office is getting better with each release...a lot of people are
throwing in the towel on M$ and looking at Linux for upgrades. The recent
extortion attempts by M$ have made the choice quite clear, either prepare
to be extorted continually by M$ or start learning that there are other
OS's out there that don't carry the baggage M$ does.
XP is the signal of the end for M$ dominance, and as soon as people realize
that they are nothing but a continual revenue stream to be milked,
threatened and cajoled with half-assed upgrades the better for the open
source community.

Bugs take months to get fixed at M$, it takes hours in Linux...

>A person I know who works for the State of Arizona (and is a Ham) has told
>me that they're strongly considering dumping Microsoft as the OS provider
>of choice and going to Linux and Star

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34. [aprssig] Alinco debuts digital audio for amateur transceivers

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 02 Sep 2001 06:45:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33807-2001.09.02-07.09.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Accordint to ARRL's in-brief news, Alinco is set to offer a GMSK digital
audio board for some FM transceivers. Although they point to Alinco's web
site, I see no mention of it there.

Cool. Not really practical.

73,

Mark
KC7BXS

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35. [aprssig] Re: New generic calls proposal - IGATE?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 02 Sep 2001 08:43:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33811-2001.09.02-08.09.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > I was asking about how things were setup right
> > now...not a future vision thing.
>
> Yeah, techically you are right. Yet the one that brought it up was the
> author of DIGI-NED, hence, the future is a few keystrokes away. He
> was asking for feedback on his suggestion.

So...is there a way to know (based on the RF stream coming from an
IGATE), that an IGATE exists in a given area (right now, today)?

Ev, W2EV

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36. [aprssig] IP address change

From: "Mark A. Foley" <na4v@home.com>
Date: Sun, 2 Sep 2001 08:50:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33812-2001.09.02-08.14.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Due to a modem configuration change by my ISP, the domain name for the
AHubEAST server has changed. Until I the re-direct has change for the new
address, all users will have to temporarily change from ahubeast.net:2023 or
14579 to 24.23.210.56:2023 or 14579. Sorry for any problems this may cause.
The domain name of www.ahubeast.net should be operational again in 72 hours
or less....

Mark A. Foley, NA4V
AHubEAST Internet Server
www.na4v.com

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37. [aprssig] Re: Alinco debuts digital audio for amateur transceivers

From: "Rich Garcia" <k4gps@arrl.net>
Date: Sun, 2 Sep 2001 10:00:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-33815-2001.09.02-09.27.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I heard that also but see no mention... At least it is an initial step in
the right direction. Everyone want's a piece of 2m and it is
saturated, digital may be the way to fix that!

Any one remember ACSB back in the late 70's ? It did not catch on
the ham bands but ya' want to know what is in use on that 220 band
we lost ? A mode that we actually pioneered but never used, check
old copies of QST and you will see projects for ACSB.

On 2 Sep 01, at 6:45, Mark Fellhauer wrote:

Accordint to ARRL's in-brief news, Alinco is set to offer a GMSK
digital audio board for some FM transceivers. Although they point to
Alinco's web site, I see no mention of it there.

Cool. Not really practical.

73,

Mark
KC7BXS

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the SIG administrator: wa1lou@tapr.org

"We're from the government, and we're here to help you."

Rich Garcia K4GPS Ex: KA2FXA and N2CZF
k4gps@bellsouth.net
Jupiter Farms, Florida
http://www.jupiterfarmscert.org

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38. [aprssig] Fw: ease of use and a national standard

From: dougy@ruraltel.net (Doug Younker)
Date: Sun, 2 Sep 2001 01:37:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33816-2001.09.02-09.52.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Other than receiving the occasional weather data displayed on Winpack's
wxaprs extra, I don't do that since my home got tornadoed and the station
moved off 145.010 to the national aprs frequency, I'm pretty much an aprs
weevil. In regards to travelers. At one time you could connect to my node
on .01 and send a command to get information. I know there's a big
difference a node and a digi but, I'm still curious if there's a way to
accomplice something similar? The info could contain who to contact and how
or the recommended settings themselves, perhaps both.
73 Doug, N0LKK

I'd have to echo Brian's K4MLS, view. My wife and I are full time

Rvrs. We live and travel in a 37 foot motorhome. While I have been a
ham for 27 years, APRS is a relatively new mode for me. I have been in
and out of packet several times. When we lived in a house with a
foundation, I could find out from the local packet group what worked and
always had someone to turn to if I had a question. Now we might stay a
day or a month in one area, but we don't live anywhere. We just
completed a trip from Redmond, Oregon to Shelby, NC over the last few
weeks. Some places the network picked me up, some places it didn't,
some places it didn't matter because we were so far out in the boonies
that there were no digis or relays anywhere close.
We maintain a website about out travels that gets over a thousand hits a
month. The number one compliment we get on our site is the link to
findu.com. I have already had several folks start working on their
tickets simply so they too can have a place for folks to go to follow
them around the country as they travel in their RVs.
The lack of standard path settings is a detriment to those of use who
use APRS for tracking by friends, families and camp followers.
We spend some time in New Mexico, north of Carlsbad. When there, its a
no brainer to get onto the network, but when traveling in Tennessee for
example, the system didn't see me with wide3-3 as my path. I have
received some help from folks on this board, but again, the lack of a
"standard" path setting causes real problems for those of us who travel
fulltime.

I'd agree with Bob that the ease of use for end users would be a top
priority for the majority of us.

John KE4D
www.TheRollingHome.com

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39. [aprssig] Re: Fw: ease of use and a national standard

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Sun, 2 Sep 2001 10:47:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33819-2001.09.02-10.11.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hmmm... looks like the lyirs list doesn't like quotes of more than 45 lines
(rightfully so...)
let me try again

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

> Hi Doug
>
> I think that the INFOKIOSK add-on to UI-View does something that you may
be
> able to use. It's quite an elaborate tool, that allows you to define
(short)
> info texts, attached to an APRS object that someone can query using APRS
> messaging.
>
> You can find this sofware and support on the ui-view mailing list, see the
> ui-view Yahoo group and its corresponding file area at
> http://groups.yahoo.com.
>
> --Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
> Join BEACONET^31 at 28.131! See http://go.to/BEACONet
>
> ----- Original Message -----
> From: "Doug Younker" <dougy@ruraltel.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, September 02, 2001 2:37 AM
> Subject: [aprssig] Fw: ease of use and a national standard
>
>
> >

> > Hi,
> >
> > Other than receiving the occasional weather data displayed on Winpack's
> > wxaprs extra, I don't do that since my home got tornadoed and the
station
> > moved off 145.010 to the national aprs frequency, I'm pretty much an
aprs
> > weevil. In regards to travelers. At one time you could connect to my
node
> > on .01 and send a command to get information. I know there's a big
> > difference a node and a digi but, I'm still curious if there's a way to
> > accomplice something similar? The info could contain who to contact and
> how
> > or the recommended settings themselves, perhaps both.
> > 73 Doug, N0LKK

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40. [aprssig] Travelers APRS information Queries

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 12:11:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33832-2001.09.02-11.34.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> ... In regards to travelers. At one time you could connect to my
> node on .01 and send a command to get information.... I'm still
> curious if there's a way to accomplish something similar? The info
> could contain who to contact, recommended settings, [etc...]

Yes, and the info is served up as tiny WEB pages on your Kenwood D7 HT
or D700 displays. You don't have to konw who to connect to or where. To
see which areas are covered, see:

http://www.ew.usna.edu/~bruninga/satinfo.html

Dont be confused by the name. It began as a project to serve out
Satellite info to mobiles, but then added ANY subject as well.

If there is an APRSdata server in your area you simply send an APRS
message to QDOS and in the text of the message enter the item you want
info on. Here are some examples:

MESSAGE	MSG TXT	SHOULD RESPOND WITH
:QDOS	:CLUBS	location and phone number of nearest club
:QDOS	:NET	location and times of nearest net
:QDOS	:FREQ	location and frequency of nearest 2m voice APRS rptr
:QDOS	:HOSP	location and phone of nearest Hospital
:QDOS	:SATS	Satellite pass schedule

Etc etc, Any file can be placed on an APRSdata server to serve data
on any subject to any other QUERY. The only requirements for the
APRSdata system to make this work are:

1) There must be an APRSdata server within a few hops of your position
2) The server needs a XXXX.POS file in the POS dir for each topic
3) The Filenme XXXXX is the MSG TEXT to use in the Query.

BAD news is :
1) there are not that many people runninng APRSdata servers on line and
many XXXX.POS files need to be assembled from local information

2) APRSdata is a version of APRSdos, and so few people run it anymore.

GOOD NEWS:

1) It can run forever on any old 386 or better PC or laptop and radio.
2) You only need one per major metropolitan area
3) It comes built in with these national files:

RS.POS	Responds with the nearest Radio Shack
CRASH.POS	Responds with nearest old airplane crash (For CAP SAR)
NWR.pos	Responds with nearest NOAA WX radio
ATV.POS	Responds with nearest ATV repeater and freeq

```
  DX.POS     Responds with nearest DX cluster an dFreq
  STORES.POS Responds with nearest HAM store

So its all there, we just need more people running servers.  and building
XXXX.POS files for their areas...

de WB4APR, Bob



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```

41. [aprssig] Re: New generic calls proposal (back on topic)

```
From: Bill Vodall <wa7nwp@yahoo.com>
Date: Sun, 2 Sep 2001 09:48:23 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33834-2001.09.02-12.12.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Van: "Wes Netzero" <wes@johnston.net>
> Someone suggested a few years ago that a packet with nopath
> should be
> assumed to be routed to the nearest IGATE.  Is this possible
> with digi-ned?

As Henk described, it's easy to do.  But it shouldn't
be done.   A "nopath" packet should be just that - a
short packet destined only for local reception and not
for digipeating.

A pseudo alias of IGATE would be a better solution.

Bill, WA7NWP



_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
http://im.yahoo.com

---
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```

42. [aprssig] PHG Question

```
From: Brian Badger <bbadger@yahoo.com>
Date: Sun, 2 Sep 2001 09:51:38 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33835-2001.09.02-12.15.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,

I am trying to configure the PHG string for a digi on
Mt. Pisgah in Central colorado.  According to the FCC,
this site has an HAAT of 450 meters.  I will be
running 50 watts into a 6db omni.

As a result, I am using a PHG of 7760.  Plugging that
PHG into APRS software yields a coverage circle 200
miles in diameter.  Inside the circle is Denver,
Colorado Springs, Pueblo, Limon, Walsenberg, South
Park, Middle Park, North Park, San Luis Valley, Lamar,
Breckenridge, Aspen, Vail, Boulder, Leadville, Salida,
Buena Vista, and all of Rocky Mountain National Park.


Suffice to say, the FCC does not agree with this
coverage area.

Based on my own analysis with propagation prediction
software, the coverage area is a 3-lobed blob with, at
it's greatest, a 60 mile radius.  This is about 5% of
the area predicted by the coverage circle.  Why are
```

the PHG circles produced by APRS software so
exaggerated?

I'm also a little confused how the PHG circle can
estimate coverage out to 100 miles, when the HAAT that
the PHG values were based on were only calculated out
to 60 miles. Furthermore, I find that other digi
sites in the area have even more absurd coverage
circles -- but have completely accurate PHG values.

I'm forced to conclude that the PHG circle drawing
algorithm is completely inaccurate for high altitude
digi sites. Comments?
--
Brian N0KZ

_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
http://im.yahoo.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

43. [aprssig] Re: New generic calls proposal - IGATE?

From: Jeff King <jeff@aerodata.net>
Date: Sun, 02 Sep 2001 13:16:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33836-2001.09.02-12.38.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:

> > > I was asking about how things were setup right
> > > now...not a future vision thing.

> > Yeah, techically you are right. Yet the one that brought it up was the
> > author of DIGI-NED, hence, the future is a few keystrokes away. He
> > was asking for feedback on his suggestion.

> So...is there a way to know (based on the RF stream coming from an
> IGATE), that an IGATE exists in a given area (right now, today)?

I think we might be talking about two (or three) different things:

My reference to "IGATE" was in regards to the APRS traveler coming into a
new area. -Today-, if you are running DigiNed, it is my understanding if it
sees a packet directed to no digi's, the DIGINED can append a digipeater
string to this packet, and consquently, for example, redirect it to a IGATE.

Henk's query (author of DIGINED) was regarding some additional designators
that could be re-routed to specific destinations, one of those beong IGATE.
My assumption is we was thinking of extending the above mechnisim in a
standard accepted method.

Now, what you appear to be asking is if you can do a IGATE discovery on the
APRSSERVE? That is, send out a query on the APRSERVE data stream, for a
specific area, (lets call it a GEOPING) and see if anyone responds. I have
no idea if this exists, but if it doesn't, it does sound like a good idea.
Maybe GEOPING and GEOFINGER? I think the HTML page that exists on port 14501
on many of the servers also might be useful was to find this, although it
is not automatic or all inclusive.

Anyways, the above is the extent of my knowledge on this topic.

73

Jeff wb8wka

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44. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 13:40:28 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33837-2001.09.02-13.04.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Sep 2001, Brian Badger wrote:

> I am trying to configure the PHG string for a digi on
> Mt. Pisgah in Central colorado [with] an HAAT of 450
> meters.... running 50 watts into a 6db omni.
>
> As a result, I am using a PHG of 7760. Plugging that
> PHG into APRS software yields a coverage circle 200
> miles in diameter....

Problem is, which "APRS" software? APRSdos shows a circle of about 88
miles. Right or wrong (since that is what is in the spec), all "APRS"
software should show the same size circle.

Problem is, hardly any two APRS programs give the same result to lots of
the "details" of APRS. Lots of details were glossed over in other
versions in the rush to make good looking maps and lots of bells and
whistles...

PHG circles are an excellent example. And since the PHG circles were
fundamental to the concept of APRS in allowing users to establish
connectivity by just looking at maps, you can see why the lack of
"consistency" here and elsewhere in APRS is causing me to get more and
more frustrated...   de WB4APR, Bob

> Based on my own analysis with propagation prediction
> software, the coverage area is a 3-lobed blob with, at
> it's greatest, a 60 mile radius.... Why are the
> PHG circles produced by APRS software so exaggerated?
>
> .... Furthermore, I find that other digi
> sites in the area have even more absurd coverage
> circles -- but have completely accurate PHG values.
>
> I'm forced to conclude that the PHG circle drawing
> algorithm is completely inaccurate for high altitude
> digi sites. Comments?
> --
> Brian N0KZ

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45. [aprssig] Re: PHG Question

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Sun, 02 Sep 2001 11:48:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33838-2001.09.02-13.12.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rather interesting that we're on this subject....WinAPRS always shows
coverage circles as ellipses which stretch W to E......I've always
wondered why this happened....maybe I can get an answer to this
question, at last?

Cheers,

Tino - VE6SZR
Calgary, Alberta

Bob Bruninga wrote:
>
> On Sun, 2 Sep 2001, Brian Badger wrote:
>
> > I am trying to configure the PHG string for a digi on
> > Mt. Pisgah in Central colorado [with] an HAAT of 450

> > meters.... running 50 watts into a 6db omni.
> >
> > As a result, I am using a PHG of 7760. Plugging that
> > PHG into APRS software yields a coverage circle 200
> > miles in diameter....
>
> Problem is, which "APRS" software? APRSdos shows a circle of about 88
> miles. Right or wrong (since that is what is in the spec), all "APRS"
> software should show the same size circle.
>
> Problem is, hardly any two APRS programs give the same result to lots of
> the "details" of APRS. Lots of details were glossed over in other
> versions in the rush to make good looking maps and lots of bells and
> whistles...
>
> PHG circles are an excellent example. And since the PHG circles were
> fundamental to the concept of APRS in allowing users to establish
> connectivity by just looking at maps, you can see why the lack of
> "consistency" here and elsewhere in APRS is causing me to get more and
> more frustrated...   de WB4APR, Bob
>
> > Based on my own analysis with propagation prediction
> > software, the coverage area is a 3-lobed blob with, at
> > it's greatest, a 60 mile radius.... Why are the
> > PHG circles produced by APRS software so exaggerated?
> >
> > .... Furthermore, I find that other digi
> > sites in the area have even more absurd coverage
> > circles -- but have completely accurate PHG values.
> >
> > I'm forced to conclude that the PHG circle drawing
> > algorithm is completely inaccurate for high altitude
> > digi sites. Comments?
> > --
> > Brian N0KZ
>
> ---
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46. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 13:56:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33839-2001.09.02-13.20.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Sep 2001, Valentino Sarro wrote:

> Rather interesting that we're on this subject....WinAPRS always shows
> coverage circles as ellipses which stretch W to E......I've always
> wondered why this happened....maybe I can get an answer to this
> question, at last?

WinAPRS uses a mercator projection map display. Things widen the
further north you go...   APRSdos shows circles as
circles because it adjusts the mercator projection for latitude.

Hope that helps.
Bob, WB4APR

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47. [aprssig] ISS back on the air

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 14:00:51 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33840-2001.09.02-13.24.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The space station is back on the air. I just watched two passes this
morning and captured 14 stations. Only 4 were APRS

If you want some practice with the future PCsat style APRS operations, the
ISS is an identical system. PCsat should only be about 3 dB less than
ISS.

To listen to ISS downlink tune 145.800. Transmit packets on 145.990.
Use the path of VIA NOCALL

and just operate normal APRS. Enjoy. Its legal and welcome on ISS.

de WB4APR, Bob

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48. [aprssig] Re: Rand McNally GPS for Palm III info?

From: "Bob Stadtherr" <bob@stadtherr.com>
Date: Sun, 02 Sep 2001 11:36:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33843-2001.09.02-13.59.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I bought two these. The communication is standard serial. I just removed the palm connector and soldered
 a cable there, connected it to my KPC3+ and away we go. The standard output includes the necessary NMEA
 sentences at 4800 baud. For $60 it's a good deal.

        Bob

********** REPLY SEPARATOR **********

On 8/28/01, at 21:08, Bruce & Leigh Coates wrote:

>Hi all,
>
>Does anyone have any experience with the Rand McNally GPS's for the Palm organizers? I'm wondering if
they communicate with the Palm through standard serial signals (RS-232 or TTL) or whether they use some
bizarre interface.
>
>Thanks
>
>Bruce - VE5BNC
>
>---
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49. [aprssig] Re: ISS back on the air

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 14:41:55 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33844-2001.09.02-14.05.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More tips on working APRS via the Space Station:

For those of you without tracking programs in the USA, the 6 or 7 passes
in a row every 92 minutes every day are now occuring between 8 AM and 5
PM. This pattern moves earlier by about a half hour every day
and this is more or less the same local times in all zones.

Thus, for the next 3 weeks you may be able to work ISS during your morning
commute. The assumption of the 6 or 7 passes is for those of you in the
northern half of the USA. Those more southern will also have 6 or

7 passes, but they will be split into two groupings of say 3, with one or
two passes north of you in the middle that you will not be able to hear..

So scan 145.800. If you hear packets, they are ISS (or some local who is
incoorectly transmitting on the downlink)...;-) For more info see WEB
pages at end..

On Sun, 2 Sep 2001, Bob Bruninga wrote:

> The space station is back on the air. I just watched two passes this
> morning and captured 14 stations. Only 4 were APRS
>
> If you want some practice with the future PCsat style APRS operations, the
> ISS is an identical system. PCsat should only be about 3 dB less than
> ISS.
>
> To listen to ISS downlink tune 145.800. Transmit packets on 145.990.
> Use the path of VIA NOCALL
>
> and just operate normal APRS. Enjoy. Its legal and welcome on ISS.
>
> de WB4APR, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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50. [aprssig] Ui-view APRS maps

From: "Bob Aldridge" <kf4dvg@hotmail.com>
Date: Sun, 2 Sep 2001 13:56:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33845-2001.09.02-14.20.17--lyris.aprssig#tapr.org@lists.tapr.org>
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Looking for a site to retrieve U.S. or Northwest FL gif maps with lat/long
to generate my own maps for use with Ui-view. Any suggestions?

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51. [aprssig] Re: What are these packets?

From: Doug McFadden <kc7imr@orednet.org>
Date: Sun, 2 Sep 2001 11:48:26 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33846-2001.09.02-14.24.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

!!000000D902ED0406----------00F

Looks like data from a Peet Bros. "Ulitmeter" wx station in data logging
mode. Check the FAQ on their web page if you want to decode it.

On Sat, 1 Sep 2001, James Jefferson wrote:

>
> Can somebody please help me figure out what these packets are and what
> produces them. As two people were APRS chatting this evening I saw
> dozens of packets like this go by:
>
> N0AN>APS200,KI0BW-4,KB0JBF-1,WIDE*:}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0406----------00F
>
> It appears that an IGATE is attempting to gate the message to RF. Is
> that right? Is the IGATE misconfigured or is this normal behavior.
>
>

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.

-=-

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52. [aprssig] Re: PHG Question

From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Date: Sun, 02 Sep 2001 15:12:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-33847-2001.09.02-14.32.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings Brian and all !

As a long time sysop of a couple of digipeaters,
from time to time, this question of PHG plots
came across my mind; and I never had time to
propose the issue to the SIG.

I think the first issue, that we must address, is
just what does the PHG plot represent ? Is it the
digipeater's coverage for :
1) a mobile station e/w a (usually 1/4 wave) antenna
2) a home station e/w an external and high gain antenna
3) the *absolute* coverage, in theory, of the digipeater.

I think most of us would go with choice # 1 and the home
stations, even though they are shown outside the coverage
range; would know that from their equipement advantage
(not to mention imperical evidence as shown on their APRS
screens) that they could work via that specific digipeater.

So, my first take on this, would be to drive around the
digipeater with a typical tracker; and get a rough feel
for the *real* mobile coverage of the digipeater in
question.

Once that information is in hand, then adjust the PHG
values to *approximate* the reality of the situation.
Remember the PHG formulae does not allow for very fine
adjustments to the plot.

That was my first take on the question ... then Bob
WB4APR came along to advise that not all APRS programs
parse, calculate and plot the PHG values equally !
{Picking myself up off the floor here ... I thought
that this information had been well documented since
the very early days of APRS.}

H'okay ... if this is true, I'd still go with the
above plan; but this time, "tune" the PHG to plot
the approximate coverage for the 'flavour' of APRS
being in most common use in your area.

Best of luck with all of this, we'll see if there
are some additional ideas on topic floating about
the SIG.

vy 73 de John VE3NEC
905-873-8715

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53. [aprssig] Re: PHG Question

From: Brian Badger <bbadger@yahoo.com>
Date: Sun, 2 Sep 2001 12:29:03 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33849-2001.09.02-14.52.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Bob Bruninga <bruninga@usna.edu> wrote:
> On Sun, 2 Sep 2001, Brian Badger wrote:
>
> > I am trying to configure the PHG string for a digi
> on
> > Mt. Pisgah in Central colorado [with] an HAAT of
> 450
> > meters.... running 50 watts into a 6db omni.
> >
> > As a result, I am using a PHG of 7760. Plugging
> that
> > PHG into APRS software yields a coverage circle
> 200
> > miles in diameter....
>
> Problem is, which "APRS" software? APRSdos shows a
> circle of about 88
> miles. Right or wrong (since that is what is in the
> spec), all "APRS"
> software should show the same size circle.

Ah, well, that's interesting, to say the least.
According to the APRS spec:

range = sqrt(2*HAAT*sqrt((power/10)*(gain/2)))

where range is in miles, HAAT is in feet, power is in
watts and gain is a multiplier (not dB).

Results in a RADIUS of 89 miles. Bob, were you
confusing the 200 mile DIAMETER I cited with the 89
mile RADIUS the APRS spec gives?

The calculation is clearly wrong -- look what happens
when I use the legal limit into a 10 db beam from my
site --

range = sqrt(2*1280*sqrt((1500/10)*(10/2))) =
        sqrt(2560*sqrt(150*5)) = 264 miles

Somehow, by running just 14 db more power and 4 db
more gain I have managed to extend my range by a
factor of 5, and managed to somehow get my signal >200
miles past the 2 meter band line-of-sight for that
altitude.

Another example; the Pikes Peak 2 meter repeater, when
accessed from the east:

range = sqrt(2*8000*sqrt((50/10)*(4/2))) =
        sqrt(16000*sqrt(5 * 2)) = 225 miles

Anyone who uses that repeater will tell you -- it
doesn't reach more than 125 miles. Period. The
difference in coverage area between reality and the
APRS PHG function is about a factor of 3.

That dog don't hunt.
--
Brian N0KZ

_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
http://im.yahoo.com

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54. [aprssig] Re: PHG Question

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 02 Sep 2001 14:33:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33850-2001.09.02-14.55.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:48 AM 9/2/01 -0600, Valentino Sarro wrote:
>Rather interesting that we're on this subject....WinAPRS always shows
>coverage circles as ellipses which stretch W to E......I've always
>wondered why this happened....maybe I can get an answer to this
>question, at last?

Three words: Screen Aspect Ratio
--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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55. [aprssig] Re: PHG Question

From: "Richard Amirault" <ramirault@erols.com>
Date: Sun, 2 Sep 2001 15:34:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33855-2001.09.02-14.59.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As I understand it (and I'm no expert) if a PHG "circle" _touches_ (or
overlaps) the PHG circle of another station then they *should* be able to
communicate with each other. This is, of course, with the understanding that
local geography may alter the success rate.

Richard Amirault N1JDU Boston,
MA, USA
www.erols.com/ramirault "Go Fly A Kite"
----- Original Message -----
From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Subject: [aprssig] Re: PHG Question
>
> As a long time sysop of a couple of digipeaters,
> from time to time, this question of PHG plots
> came across my mind; and I never had time to
> propose the issue to the SIG.
>
> I think the first issue, that we must address, is
> just what does the PHG plot represent ? Is it the
> digipeater's coverage for :
> 1) a mobile station e/w a (usually 1/4 wave) antenna
> 2) a home station e/w an external and high gain antenna
> 3) the *absolute* coverage, in theory, of the digipeater.
(snip)

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56. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 16:32:58 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33871-2001.09.02-15.56.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Sep 2001, John Langtry, VE3NEC wrote:

> I think the first issue, that we must address, is
> just what does the PHG plot represent ? Is it the
> digipeater's coverage for :
> 1) a mobile station e/w a (usually 1/4 wave) antenna
> 2) a home station e/w an external and high gain antenna
> 3) the *absolute* coverage, in theory, of the digipeater.

In the original APRSdos docs, it was to an HT I think... with 0 dB ant.

And there were so many problems of Hams that confused HAAT and their
Height above sealevel, that we defined a different field of RNGxxxx so
that someone could unequivocably define a range circle of xxxx miles.
This avoids the PHG all together...

I think this got into the spec, but again, most versions of APRS other
than APRSdos may not support it.

In any case, the original docs DIGIS.POS warned all DIGI operators that
the exact values of PHG was not important, but it was more importnat to
just use values that "resulted" in a circle that accurately described thir
coverage"...

But we still (5 years later) have the critical digi that connects NJ and
MD showing a PHG circle at least 5 times its actual usable range...

bob, WB4APR

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57. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 16:38:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33872-2001.09.02-16.01.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Sep 2001, Brian Badger wrote:

> Results in a RADIUS of 89 miles. Bob, were you
> confusing the 200 mile DIAMETER I cited with the 89
> mile RADIUS the APRS spec gives?

Yes, sorry. I think of ranges in terms of radius. I think most RF folks
would because we think in terms of radios that radiate outward, and the
only thing we are interested in is its range. ALso, PHG draws range
circles. It never occurred to me that someone would refer to a range
circle by its diameter.

Sorry. I was wrong. I was reading too fast and was confused by your
terminology.

Bob, WB4APR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

58. [aprssig] How to set up a TinyTrakII and Earthmate

From: "Bob - K8YS" <k8ys@cinci.rr.com>
Date: Sun, 2 Sep 2001 16:56:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33874-2001.09.02-16.20.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am setting up an Earthmate and a TinyTrakII and am looking for info on
exactly how everyone is doing it.

I guess that the goal is to install the TinyTrak inside the Earthmate box
and run a cable from the GPS/TinyTrak to the radio...

I have already modified the Earthmate for autostart

Thanks,
Bob

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59. [aprssig] APRSdos and W2K?

From: Earl Needham <needhame@yucca.net>
Date: Sun, 02 Sep 2001 15:06:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33875-2001.09.02-16.32.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just had a thought --

I recently upgraded to Windows 2000 Pro, will APRSdos run with this OS?

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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60. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Sep 2001 17:19:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33879-2001.09.02-16.46.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Sep 2001, Brian Badger wrote about APRS PHG circles:

> The calculation is clearly wrong -- look what happens
> when I use the legal limit into a 10 db beam from my
> site at [1280 feet above average terrain]
>
> range = sqrt(2*1280*sqrt((1500/10)*(10/2))) =
>   sqrt(2560*sqrt(150*5)) = 264 miles
>
> .... I have managed to extend my range by a
> factor of 5, and managed to somehow get my signal >200
> miles past the 2 meter band line-of-sight for that
> altitude.

Remember, PHG is a circle. It was supposed to apply to more or less
typical OMNI antennas for the general case of most APRS stations.
Trying to use it in the extreme cases of the legal limit and a BEAM
on the Rocky Mountains was a purpose for which it was never intended.

Actually, I think anyone sitting on a mountain top 1280 feet above
everywhere around him running a full 1500 watts into a high gain beam
would have no problem communicating out 264 miles. The VHF DXers
do it all the time.. Tropo...

As far as the 8000 foot Pike peak, That is quite a bit higher than the
typical APRS station who is somewhere between 20 and 80 feet.

> that dog wont hunt...

That is why the original docs (DIGIS.TXT) that defined PHG back in 1994 or
so clearly said that all digi oprators should not rely on PHG values
alone, but should adjust the PHG values to find a realistic range circle
that fit their usable range.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

61. [aprssig] Re: APRSdos and W2K?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 02 Sep 2001 16:43:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33882-2001.09.02-17.08.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:06 PM 9/2/01, Earl Needham wrote:

> Just had a thought --
>
> I recently upgraded to Windows 2000 Pro, will APRSdos run with
> this OS?
>
> 7 3
> Earl

No.

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

62. [aprssig] Ultimeter and Stand-alone mode...

From: Jim Duncan <ku0g@kcaprs.org>
Date: Sun, 02 Sep 2001 16:57:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33886-2001.09.02-17.20.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have still been unable to get our new U-500 to transmit data via the
old tried-and-true (?) stand-alone method.

Would somebody please post TO THIS LIST (one ping only, Vasily...) a
refresher on how to make this function....All settings, wiring needs,
etc.?

Thanks...
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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63. [aprssig] RE: How to set up a TinyTrakII and EarthmateXXXX => CORRECTION!

From: "Bob - K8YS" <k8ys@cinci.rr.com>
Date: Sun, 2 Sep 2001 18:17:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33892-2001.09.02-17.41.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have no idea why I have EARTHMATE on the brain --- it is really a TRIP
MATE!!!

-----Original Message-----
From: bounce-aprssig-24694@lists.tapr.org
[mailto:bounce-aprssig-24694@lists.tapr.org]On Behalf Of Bob - K8YS
Sent: Sunday, September 02, 2001 4:57 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] How to set up a TinyTrakII and Earthmate

I am setting up an Earthmate and a TinyTrakII and am looking for info on
exactly how everyone is doing it.

I guess that the goal is to install the TinyTrak inside the Earthmate box
and run a cable from the GPS/TinyTrak to the radio...

I have already modified the Earthmate for autostart

Thanks,
Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

64. [aprssig] Western New York Request

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 02 Sep 2001 18:24:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33893-2001.09.02-17.50.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm involved in a high-profile experiment and would like to involve a
TinyTrak or TinyTrak-II with a GPS. It will be used as a basis for an
article that I'm writing.

If you are in the Buffalo/Rochester area, and have one to loan, please
contact me off-list.

Ev, W2EV

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65. [aprssig] 802.11b Comments (part 1)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 02 Sep 2001 17:28:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33894-2001.09.02-17.52.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A week ago I mentioned I was setting up a small wireless network for use
around the house/neighborhood. Here are my initial observations after
living a few days with the technology:

I will not bore you with the details of the 802.11b standard or pro's and
cons of different chipsets (Lucent Hermes or Intersil Prism) and
manufacturers of such equipment. You all know how to use a search engine...

If you haven't seen it, our Fearless Leader, Stan Horzepa, wrote a short
article many months ago in QST about the Apple Airport and his home
setup. If you haven't read it dig through your back-issues of QST and
take a look. I had been interested in wireless networking, but at the time
there were very few low cost options available. But now the prices have
dropped to extremely competitive levels.

After doing some research, I chose an Agere (Lucent) ORiNOCO Gold (128 Bit
encryption) PCMCIA card and a Linksys WAP11 Wireless Access Point. Both
received excellent reviews and both offer the option of adding external
antennas, which I feel is an important consideration, especially with
experimentation in mind. Price was also an important consideration and
shopping around pays. I found that the street price for the ORiNOCO card
was from $90 to $200 and the Linky WAP11 from $179 to $250. I purchased
mine for $110 and $190 respectively (including taxes and shipping). In
addition, Linksys is currently offering a $15 rebate (good through
9/8/2001) on the WAP11. Currently bid prices on eBay (for both items)

exceed what you can usually buy them online for, so I wouldn't even bother going that route.

The ORiNOCO card has a small hidden antenna port on the top of the card, It is a small round jack (SMB?). One can purchase a pigtail for it that ends in an N connector. I have yet to purchase a pigtail, but will sometime in the near future. The Linksys has two removable antennas on the back (diversity reception) that screw on via reverse-polarity TNC connectors. I'm told the FCC requires such oddball connectors. I'm not sure what the logic is behind that, but it prevents one for easily going to Radio Shack and buying an adapter for connecting to an external antenna.

Installation and setup for both products was downright simple and I encountered no problems. Early versions of the Linksys WAP11 were hampered with problems, but the latest firmware upgrade has addressed and solved every issue, plus added several bonus features. The leatest firmware release was issued within the last two weeks. I won't address all the features of the WAP11 but here's an overview.

-It acts as an AP, a PtoP Bridge, a Muliti-point Bridge, and now as an AP Client (!).

-128 Bit WEP, IP Filtering, MAC Filtering.

-SNMP and USB configuration utilities - Windows only right now. MAC and Linux ports to SNMP shouldn't be too hard. SNMP requires a password.

-DHCP Client (which now finally works automatically using the last firmware upgrade). Primary port either Wireless or Ethernet. Of course the WAP11 also supports a user-definable static IP and subnet.

-Removable Diversity antennas with reverse-polarity TNC connectors - allows one to attach external antenna(s). Antenna ports are selectable individually and can be configured in multiple ways: RX/TX on both antennas (diversity), RX/TX on one port only (either right or left), RX on one port and TX on the other (right/left swappable). Way Cool.

This is a lot of capability in such a low-cost device. For a full review of the Linksys, I recommend this site:

http://www.practicallynetworked.com

For links directly to the WAP11 review:

http://www.practicallynetworked.com/reviews/linksys_wap11.asp

http://www.practicallynetworked.com/support/wap11_fw_update.htm

I am very pleased with the performance of this system. Download speeds THROUGH the DSL connection are every bit as fast as wired (10/100) ethernet and streaming media works quite nicely. Range gets me around the house (three occupied stories and apartment) and yard, with the AP in the basement. At some point in time those external antenna ports will come into play and I'm hoping to install a small outdoor omni somewhere on the antenna farm. I'm kicking myself because I recently had the opportunity to pick up a 150' spool of Times Microwave LMR-600 for $50 and passed on it. Doh!

Security: As with any wireless media, security is a big concern. Be aware that most 802.11b products come configured with all security features turned off and in a manufacturer's default configuration. It is very simple to figure out with a few minutes monitoring a wireless network what equipment someone is using. If you leave your settings at default it makes it that much easier for a miscreant to cause problems. Just be aware of that. Unless you want your neighbors or anyone else just driving by your business or domicile to have access to your hard drive and Internet connection, I highly recommend taking SOME precautions. All 802.11b products have a system called WEP (wireless encryption protocol) that can be implemented easily. It has problems. One, it can slow data throughput down; and two, it can be cracked. But WEP is better than nothing. Currently to break WEP, someone must park themselves and a computer within range of your wireless network and copy at least 100 MB of data. That probably will discourage all but the most determined bad guy. MAC Filtering and IP filtering are essential, but again MAC (media access control) and IP's can be spoofed. MAC is supposed to be hardcoded into a product, but there is software available to get around that. Furthermore a MAC will give a person monitoring your system a key to who made it.

http://www.coffer.com/mac_find/

I am shocked and dismayed at the number of reports of 802.11b networks being used in Large Corporations, Banks, Hospitals, Universities and the like with absolutely NO security features in place. Some of these are rogue networks set up without the knowledge of an IT department, but most have been placed by people who should know better.

Case in point: I live across the street from a large regional teaching hospital. After installing my ORiNOCO card I noticed the network activity light blinking. Odd, my AP was still in the box... It didn't take long to figure out the hospital was running a 802.11b wireless network. With the management tools INCLUDED with the ORiNOCO card I was able to figure out a lot about the topography of their equipment. With some additional software (http://www.netstumbler.com) I was able to see a lot more. It became very apparent that the hospital was not running WEP or MAC filtering and had 4 (Cisco) access points on campus. And in fact, I was able to guess (in one try) their wireless workgroup ID and connect to the Internet with their system. Stupid people. And before any moralists or armchair lawyers start accusing me of digital trespass or any other crimes, I only looked at their RF topography so that I WOULD NOT INTERFERE with their equipment. My AP is now set so that we do not occupy the same channels... Somebody from University Physicians later verified that the hospital has an 802.11b system and one access point is connected to an omni antenna on the roof of the hospital.

Part 2 to follow.

Mark
KC7BXS

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66. [aprssig] 802.11b comments (part 2)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 02 Sep 2001 17:27:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33895-2001.09.02-17.52.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, by now some of you are asking, what does 802.11b have to do with amateur radio or APRS?

Let's get back to those external antenna ports...

First off, there is a huge group of people who are not licensed amateur radio operators, that are discovering the joys of tinkering with radio transceivers, building antennas, and otherwise experimenting with these license-free technologies. Many of these people have simple problems and questions like, "How do I properly attach an N connector to a length of coax?" This is a perfect opportunity to elmer. I think this is a also huge opportunity to recruit new people to get licensed and active on the ham bands. There are dozens of web sites devoted to this topic and many areas are experimenting with community-access 802.11b networks. Equipment that should be available next summer will quadruple the throughput of current license-free wireless networking without any increase in cost. It should also double the available bandwidth because much of this equipment with be on higher frequencies.

Second, there has been some discussion here about getting (high-speed) Internet access for APRS purposes to remote locations. Since it's pretty easy to send 802.11b (2.4 GHz) signals 10 or even 15 miles (LOS) with simple external antennas and no amplification while keeping throughput up in the 5 megabit per second range, this is a near perfect, low-cost option for all sorts of amateur radio purposes.

I have my Lucent card installed in a Fujitsu pen-based portable computer. With the wireless option I can monitor worldwide APRS traffic in

my yard, the unattached garage, or in rooms that do not have ethernet ports/phone jacks. And with a house built in the 1930's with lath and plaster walls, phone jacks and ethernet ports come at high expense.

Prices for 802.11b wireless networking are plummeting. I have seen client PC cards drop to $80. Currently Best Buy is selling the WAP11 on sale for $195. Prices will probably go even lower before Christmas...

73,

Mark
KC7BXS

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67. [aprssig] Re: How to set up a TinyTrakII and Tripmate

From: "Byon Garrabrant" <byon@byon.com>
Date: Sun, 2 Sep 2001 15:38:53 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33899-2001.09.02-18.03.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 2 Sep 2001, at 18:17, Bob - K8YS <k8ys@cinci.rr.com> wrote:

> I am setting up an Earthmate and a TinyTrakII and am looking for info
> on exactly how everyone is doing it.
>
> I guess that the goal is to install the TinyTrak inside the Earthmate
> box and run a cable from the GPS/TinyTrak to the radio...
>
> I have already modified the Earthmate for autostart
>

> I have no idea why I have EARTHMATE on the brain --- it is really
a
> TRIP MATE!!!
>

There are few examples with pictures at
http://www.byonics.com/tinytrak at the top of the links page.

I've just built one myself, but have not taken pictures yet. I cut a hole for the DB-9, and remoted 3 of the LED's to the case.

Byon

_____
 Byon Garrabrant   N6BG   byon@byon.com

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68. [aprssig] 10 meter freq.

From: James Smith <k9apr@tawg.org>
Date: Sun, 02 Sep 2001 19:47:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33910-2001.09.02-20.13.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone send me the 10 meter freq. for APRS?

--
73, James, K9APR
Chairman \ Coordinator
Tri-State APRS Working Group
http://www.tawg.org
Run a APRS Website? Why not join the APRS Webring.
http://www.tawg.org/join.htm

```
---
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```

69. [aprssig] Re: Rainfall reports.

```
From: Skip Allison <sallison@megsinet.net>
Date: Sun, 02 Sep 2001 22:01:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33919-2001.09.02-22.28.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
kc5ogt wrote:
>
>
> rainfall info is always on 0. If you click the wx button on the right
> side of the screen showing wx stations only, it always shows 0. Anyone
> else experienced this?..

I just wish we had some rain to report!  I think we had 1/2" for the
whole month of Aug!

Skip
K9SA

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

70. [aprssig] Re: How to set up a TinyTrakII and Earthmate

```
From: Robbie Robertson <mwrobertson@home.com>
Date: Sun, 02 Sep 2001 22:40:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33924-2001.09.02-23.04.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Are you trying to use an "EARTHMATE"? I have successively
interfaced a TripMate with a little interface box to a hand held
and it works super! My Tripmate has the autostart mod. Now, I
think you will need a Rockwell code to NEMA converter for an
EarthMate, :-(

I am sure someone else with give you more specifics, good luck.

Robbie

Bob - K8YS wrote:
>
> I am setting up an Earthmate and a TinyTrakII and am looking for info on
> exactly how everyone is doing it.
>
> I guess that the goal is to install the TinyTrak inside the Earthmate box
> and run a cable from the GPS/TinyTrak to the radio...
>
> I have already modified the Earthmate for autostart
>
> Thanks,
> Bob
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

71. [aprssig] Re: 10 meter freq.

From: "Kody D. Moore" <jmoore@ideafamilies.org>
Date: Sun, 2 Sep 2001 22:59:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33925-2001.09.02-23.23.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

10.151 The frequency can be found in HF.txt which is supplied with dos
Aprs.
73 KL0RN Kody in Alaska

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

72. [aprssig] Re: 10 meter freq.

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Sun, 02 Sep 2001 22:54:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33931-2001.09.03-00.18.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The 10.151 is a 30 meter frequency........

Tino, VE6SZR

"Kody D. Moore" wrote:
>
> 10.151 The frequency can be found in HF.txt which is supplied with dos
> Aprs.
> 73 KL0RN Kody in Alaska
>
> ---
> You are currently subscribed to aprssig as: sarrov@telusplanet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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73. [aprssig] Re: [Bob Bruninga] RE: UIview and WIDE7-7 recommendations

From: Steve Slay <snslay@swbell.net>
Date: Mon, 03 Sep 2001 09:23:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-33994-2001.09.03-09.47.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Without knowing it, I guess I have entered the discussion.
Glad I was running TRACE mode. Maybe this will shed some light on the
subject.

I was on a weekend outing visiting the mountains of New Mexico.
I was running Smart beaconing, and with all those winding roads it makes
for a lot of position reports.
(I'm from West Texas where most changes of directions involve an
intersection.)

When it comes to digis, New Mexico should be know as the "Land of
Enhancement"!

Steve Slay
KC5MVY
Where am I now? http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

----- Original Message -----
From: "Brian Badger" <bbadger@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 01, 2001 4:29 PM
Subject: [aprssig] Re: [Bob Bruninga] RE: UIview and WIDE7-7
recommendations

>
> --- Bob Bruninga <bruninga@usna.edu> wrote:
> > lets all say it together...
> >
> **
> > The chances of WIDE7-7 to go out to the 7th tier of
> > digis is small
> >
> **
>
> Bull Bull Bull Bull Bull. (Bull!)
>
> Here are 6 packets from a 6 minute interval last
> night, heard at N0KZ-5. As they were heard BY a
> UIFLOOD/UITRACE digi, the WIDE7-1 was changed to
> WIDE7* upon retransmission.
>
> You will note, if your ego does not blind you to the
> obvious, that they take redundant paths to travel from
> one fixed starting point, to one fixed endpoint 6 out
> of 7 times.
>
>
KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-
1:@010343z3253.94N/10514.51Wk322/042/
>
>
KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-
1:@010344z3254.66N/10515.04Wk004/046/
>
>
KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-
1:@010345z3255.38N/10515.01Wk038/042/
>
>
KC5MVY>APS200,K5BEN-15,WB5EZO-10,WB5EZO-3,WA5IHL-9,N0XT-4,N0KIC-5,KB0UUR
,TRACE7*:@010346z3255.66N/10514.84Wk047/036/
>
>
KC5MVY>APS200,K5BEN-15,WA5IHL-14,KD5CHU-15,N0XT-4,N0KIC-5,KB0UUR*,TRACE7
-1:@010348z3256.12N/10516.14Wk280/042/
>
>
KC5MVY>APS200,K5BEN-15,WB5EZO-10,W5SF-1,N0KIC-5,KB0UUR*,TRACE7-2:@010349
z3256.51N/10517.14Wk295/053/
>
> I looked at the digi again this morning -- this guy is
> still at it.
>
> --
> Brian N0KZ
>
> ____
> Do You Yahoo!?
> Get email alerts & NEW webcam video instant messaging with Yahoo!
Messenger
> http://im.yahoo.com
>
> ---
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wa1lou@tapr.org
>

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74. [aprssig] More on DOS device names under Windows NT/2K/XP

From: "Bob D." <n2iph@eticomm.net>
Date: Mon, 3 Sep 2001 10:58:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33997-2001.09.03-10.22.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Microsoft Knowledge Base Article - Q235128

http://support.microsoft.com/support/kb/articles/Q235/1/28.ASP

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75. [aprssig] Re: WinXP revisted

From: "Bob D." <n2iph@eticomm.net>
Date: Mon, 3 Sep 2001 10:59:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-33998-2001.09.03-10.23.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why does WinXP (or NT/ & 2K) not allow some 16-bit DOS and Win3.x apps
to run is because they do not allow direct access to hardware by these
types of programs.

>From the help files in WinXP:
---snip---
The following functions do not work in Windows NT and Windows 2000:=20
All MS-DOS functions except task-switching APIs (program programming
interface functions) are supported.=20

Block mode device drivers are not supported. (Block devices are not
supported, so MS-DOS IOCTL APIs that deal with block devices and SETDPB
functions are not supported.)=20

Interrupt 10 function 1A returns 0; all other functions are passed to
read-only memory (ROM).=20

Interrupt 13 calls that deal with prohibited disk access are not
supported.=20

Interrupt 18 (ROM BASIC) generates a message that says ROM BASIC is not
supported.=20

Interrupt 19 will not reboot the computer, but will cleanly terminate
the current virtual DOS machine (VDM).=20

Interrupt 2F dealing with the DOSKEY program call outs (AX =3D 4800) is
not supported.=20

Microsoft CD-ROM Extensions (MSCDEX) functions 2, 3, 4, 5, 8, E, and F
are not supported.=20

The 16-bit Windows subsystem on an x86 computer supports enhanced mode
programs; it does not, however, support 16-bit VxDs (virtual device
drivers). The subsystem on a non-x86 computer emulates the Intel 40486
instruction set, which lets the computer run Enhanced-mode programs,
such as Microsoft Visual Basic, on RISC computers.=20

This means that Windows NT and Windows 2000 do not support 16-bit
programs that require unrestricted access to hardware. If your program
requires this, it will not work in Windows NT or Windows 2000.=20
---snip---

A note about the Help system in XP - You can configure the WinXP help
system to search the Microsoft Knowledge Base as well as the installed
help files (requires internet connection of course). You can also
install help files from earlier Windows systems so you can view them on
the WinXP machine.

I have been running RC2 of WinXP for some time now and today (9/3/01) I
downloaded the latest version of APRSdos (ver 848) to give it a try. I
knew going in it would not work but wanted to give it a go anyway to see
where it died/hung up.

Unzipping the distribution file went OK as expected.

I first tried running APRS848.exe w/o any tweaks (no custom .bat or .pif
files). Program ran through the initial screens where one is queried for
Callsign, etc. When asked for the COMM port to use I choose 0(zero) for
NONE because I do not have a TNC connected to this machine. At this
point the APRStel screen comes up (only appears on first run of
APRSdos), I answered NO and APRSdos attempted to draw the default map
which is where it hung up. The mouse worked for a second or two then
froze

I then tried different settings for the .EXE file including
Compatibility Mode which lets you set WinXP to appear as an earlier
version of Windows to the program (similar to the 'Prevent program from
detecting Windows' choice that appeared in Win95). Choices are Win95,
Win98, WinNT, Win2000 none of these worked or allowed APRSdos to run any
farther than it did before, freezing at the same place during startup.

I then searched through the help files for information on customizing
the DOS environment to see if I could find anything that would let APRS
run under WinXP. While I did find a number of articles all the
suggestions I came across there did not help because APRSdos wants
direct access to the machines hardware and WinNT/2000/XP will not allow
this.

So hang on to your old copy of Win9x if you want to be able to run
APRSdos from a Windows DOS box.

73, N2IPH

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76. [aprssig] Re: 10 meter freq.

From: "Kody D. Moore" <jmoore@ideafamilies.org>
Date: Mon, 3 Sep 2001 11:30:18
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34006-2001.09.03-11.53.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

VERRY SORRY!!! I ment to give you the 10M freq which is 28.151.5 I believe,
Please accept my apologies. Kody.

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77. [aprssig] REF:: Rainfall Reports

From: Matthew W Stennett <WA4TKG@att.net>
Date: Mon, 03 Sep 2001 13:49:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34012-2001.09.03-13.13.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We'll send you up some of OURS......
we musta' had WELL over TWO inches, in a matter
of HOURS yesterday...
Southwest, and more North, they had MORE !!

We'll SAVE 'ya some !

Skip Allison wrote:

> kc5ogt wrote:
> >
> >
> > rainfall info is always on 0. If you click the wx button on the right
> > side of the screen showing wx stations only, it always shows 0. Anyone
> > else experienced this?..
>
> I just wish we had some rain to report! I think we had 1/2" for the
> whole month of Aug!
>
> Skip

> K9SA

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78. [aprssig] Re: PHG Question

From: Brian Badger <bbadger@yahoo.com>
Date: Mon, 3 Sep 2001 11:54:19 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34017-2001.09.03-14.17.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, All,

I was under the impression that PHG circles were for
calculating reliable service, not tropoducting.
Obviously I am misinformed. I will consider adjusting
my PHG circles to reflect the expected "usable" range
with tropoducting or other enhancement. Thank you,
Bob.

This lastest foray has made it abundantly clear that
my continued participation in this discussion serves
no useful purpose, as my education, knowledge and
ability are not well suited to this forum.

73 and God Bless.
--
Brian N0KZ

--- Bob Bruninga <bruninga@usna.edu> wrote:
> Actually, I think anyone sitting on a mountain top
> 1280 feet above
> everywhere around him running a full 1500 watts into
> a high gain beam
> would have no problem communicating out 264 miles.
> The VHF DXers
> do it all the time.. Tropo...
...
> That is why the original docs (DIGIS.TXT) that
> defined PHG back in 1994 or
> so clearly said that all digi oprators should not
> rely on PHG values
> alone, but should adjust the PHG values to find a
> realistic range circle
> that fit their usable range.

_____
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Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
http://im.yahoo.com

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79. [aprssig] Re: PHG Question

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 03 Sep 2001 15:00:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34028-2001.09.03-15.24.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:54 PM 9/3/01, Brian Badger wrote:

>This lastest foray has made it abundantly clear that
>my continued participation in this discussion serves
>no useful purpose, as my education, knowledge and
>ability are not well suited to this forum.

The PHG "issue" seems to get recycled every few months. It seems to me,
the question was asked AGAIN, and an appropriate response was framed in

light of earlier comments, made by you, Brian Badger.   To get upset about
it is...well...silly.   Please feel free to use your education, knowledge,
and ability to come up with a better solution (rather than just to
criticize).   I'm sure the APRS SIG would appreciate it.

73,

Mark
KC7BXS

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80. [aprssig] NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Mon, 03 Sep 2001 17:05:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34031-2001.09.03-16.29.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the th-d7ag and use it to work ISS and my local network.

I tire of changeing the path back and forth from *RELAY,WIDE2-2* to the ISS
call of *NOCALL*

I wonder if setting it to NOCALL,RELAY,WIDE2-2 would work for both in that
the terrestrial stations would ignore the NOCALL to the same degree that the
space station would ignore the RELAY,WIDE2-2 and still *work*

Is this LID thinking or copacetic? I have'nt actually tried it.

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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81. [aprssig] Re: PHG Question

From: "John W.(Bill) Hays" <w0omv1@home.com>
Date: Mon, 03 Sep 2001 16:11:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34032-2001.09.03-16.35.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Amen!!!
Sometimes, some of us get a little over sensitive and a bit testy.
73,
Bill w0omv

Mark Fellhauer wrote:
>
> At 01:54 PM 9/3/01, Brian Badger wrote:
>
> >This lastest foray has made it abundantly clear that
> >my continued participation in this discussion serves
> >no useful purpose, as my education, knowledge and
> >ability are not well suited to this forum.
>
> The PHG "issue" seems to get recycled every few months. It seems to me,
> the question was asked AGAIN, and an appropriate response was framed in
> light of earlier comments, made by you, Brian Badger.   To get upset about
> it is...well...silly.   Please feel free to use your education, knowledge,
> and ability to come up with a better solution (rather than just to
> criticize).   I'm sure the APRS SIG would appreciate it.
>
> 73,
>
> Mark
> KC7BXS
>

> ---
> You are currently subscribed to aprssig as: w0omv1@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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82. [aprssig] New version of AFilter available

From: "Mark A. Foley" <na4v@home.com>
Date: Mon, 3 Sep 2001 17:29:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34033-2001.09.03-16.52.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Diaz, KC9XG, has released the latest version of AFilter (2.5.2) You
can download AFilter at Dick Stanich's (KB7ZVA) website:
www.digitaldune.net/~ahubwest/html/welcome.html

Changes for this version include: All logged packet file names are now
created using UTC time rather than local time.
   -- Reduced the client buffer size from 64K to 32K.
   -- Modified logging to show where a packet came from. Packets logged from
clients will be prefaced with !CLIENT! and packets from servers will be
prefaced with !TCP!.

Mark A. Foley, NA4V
AHubEAST Internet Server
www.na4v.com

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83. [aprssig] Automatic Vehicle Location System Available Over Nextel Network

From: Ken <kjm@powerwerx.com>
Date: Mon, 03 Sep 2001 14:46:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34035-2001.09.03-17.13.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Data Burst Technologies to Offer Nationwide Vehicle Location Services;
iTRAK and NavView Automatic Vehicle Location System Available Over
Nextel Network

    WOODLAND PARK, Colo.--(BUSINESS WIRE)--Aug. 30, 2001--

Data Burst Technologies Inc., a provider of wireless Internet solutions,
will offer its Internet-based Automatic Vehicle Location (AVL) services
on Nextel's nationwide, wireless packet data network.

    With the combination of Data Burst's iTRAK(TM) in-vehicle module and
NavView(TM) browser-based service, and a Nextel Internet-ready phone,
customers now have a new, cost-effective AVL solution.
    Implementing AVL is easy. Subscribers can view, map and maintain
historical data about a fleet or even a single vehicle from their office
or home computer over the Internet. In operation, the small iTRAK device
is placed on the vehicle roof or dash and uses precise GPS location
technology to create position updates. Integrated with a Nextel phone,
iTRAK sends information, via the wireless network, to NavView, an
innovative mapping application created for tracking and locating
vehicles via the Internet.
    When a subscriber logs on from their personal computer to
<http://www.navview.com/> www.navview.com, a map is displayed with
real-time positions for historical data of the fleet. Other features
include dynamic loading of maps, report generation, and zoom function to
state, city or street level. NavView also allows customers to send text
messages to Nextel's handset using Nextel's short messaging service.
    "There are many fleet operators, large and small, who have been
waiting for a low-cost AVL solution like this," stated Greg Childers,
vice president of sales & marketing for Data Burst. "This technology
greatly improves customer service, fleet management and driver safety.
We want to make Nextel customers aware that this service is now

available to them."
    Other features of the Data Burst AVL system include:

--   Low cost
--   Real-time GPS tracking
--   Store and forward tracking outside coverage areas
--   Web-based system (no need for internal IT department support)
--   Monthly service plans with unlimited Web-based NavView service
--   Time, distance, stop and start position reports
--   Dynamically schedule delivery jobs
--   Create and store an activity trail
--   Track vehicle utilization

    Data Burst Technologies Inc. is a leading wireless Internet
solutions company with headquarters in Woodland Park. The company
designs and markets low-cost, turnkey wireless Internet solutions for
vehicle tracking. For more information visit www.databurst.com
<http://www.databurst.com/> or call 866/MYiTRAK.

84. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: Skip Allison <sallison@megsinet.net>
Date: Mon, 03 Sep 2001 16:47:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34036-2001.09.03-17.15.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Al Arnold wrote:
.
.

> I wonder if setting it to NOCALL,RELAY,WIDE2-2 would work for both in that
> the terrestrial stations would ignore the NOCALL to the same degree that the
> space station would ignore the RELAY,WIDE2-2 and still *work*

Theoretically it won't work because no one will digi the NOCALL,
therefore
the digis won't get to the RELAY. Practically speaking, if you live in
a
large metro area, there will probably be someone with an AEA TNC that
never
thought to set their call into the TNC and will digi NOCALL!

Skip
K9SA

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85. [aprssig] UIVIEW+Ultimeter II operation

From: bob <w2g3zfj@optonline.net>
Date: Mon, 03 Sep 2001 17:59:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34037-2001.09.03-17.18.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks

I'm just trying out UIView at my station (VHF/HF Gate+IGate). Normally I use
winaprs but as it keeps crashing when used as an IGate I've changed over to
UIView. Now, it seems to work OK but I would like to configure my wx
station. UIView needs a separate program to accept the UII data and save it
in a file and I'm having a hard time finding any information. Anyone out
there using this combination?

Any help much appreciated

73 de bob
w2/g3zfj

PS I've tried the UIView mail group but no luck!

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86. [aprssig] Re: PHG Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Sep 2001 18:23:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34038-2001.09.03-17.48.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 3 Sep 2001, Brian Badger wrote:

> Bob, All,
>
> I was under the impression that PHG circles were for
> calculating reliable service, not tropoducting.
> Obviously I am misinformed. I will adjust my PHG
> circles to reflect the expected range with
> tropoducting or other enhancement. Thank you, Bob.

No, I said the PHG model was for the typical PHG of user stations.
Probably applies to 99 of all users. Works pretty good. Further I
said that in the DIGIS.TXT file which was the original BIBLE of the APRS
network, it always said, for digis, do not rely on exact PHG values but
adjust them to get the circle that best fits your coverage.

> This lastest foray has made it abundantly clear that > my continued
> participation in this discussion serves no useful purpose, as my
> education, knowledge and ability are not well suited to this forum.

One of the problems with equations is that most equations apply only for
the range of cases over which the equation was written in the first place.
We see this problem all the time in school, were students just plug
numbers into some equation without any regard for whether the equation
applies. The case where you plugged a 1500W station with a 10dB beam at
1800 feet was not a typical APRS station...for which this equation was
written.

 > 73 and God Bless. > -- >
Brian N0KZ >
> --- Bob Bruninga <bruninga@usna.edu> wrote:
> > On Sun, 2 Sep 2001, Brian Badger wrote about APRS
> > PHG circles:
> >
> > > The calculation is clearly wrong -- look what
> > > happens when I use the legal limit into a 10 db
> > > beam from my site at [1280 feet above average terrain]
> > >
> > > range = sqrt(2*1280*sqrt((1500/10)*(10/2))) =
> > >   sqrt(2560*sqrt(150*5)) = 264 miles
> > >
> > > .... I have managed to extend my range by a
> > > factor of 5, and managed to somehow get my signal
> > > 200 miles past the 2 meter band line-of-sight
> > > for that altitude.
> >
> > Remember, PHG is a circle. It was supposed to apply
> > to more or less typical OMNI antennas for the general
> > case of most APRS stations.
> > Trying to use it in the extreme cases of the legal
> > limit and a BEAM on the Rocky Mountains was a purpose
> > for which it was never intended.
> > <snip>

> > As far as the 8000 foot Pike peak, That is quite a
> > bit higher than the typical APRS station who is
> > somewhere between 20 and 80 feet.
> >
> > > that dog wont hunt...
> >
> > That is why the original docs (DIGIS.TXT) that
> > defined PHG back in 1994 or
> > so clearly said that all digi oprators should not
> > rely on PHG values
> > alone, but should adjust the PHG values to find a
> > realistic range circle
> > that fit their usable range.
> >
> > de WB4APR, Bob

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87. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "Manuel Holland" <manuelh@ionet.net>
Date: Mon, 3 Sep 2001 08:42:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34040-2001.09.03-18.11.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dont guess it would be appropriate to add NOCALL to my uidigi?

----- Original Message -----
From: Skip Allison <sallison@megsinet.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Monday, September 03, 2001 4:47 PM
Subject: [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial
APRS?

> Theoretically it won't work because no one will digi the NOCALL,
> therefore
> the digis won't get to the RELAY. Practically speaking, if you live in
> a
> large metro area, there will probably be someone with an AEA TNC that
> never
> thought to set their call into the TNC and will digi NOCALL!
>
> Skip
> K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

88. [aprssig] Font settings in WinAPRS.

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Mon, 03 Sep 2001 16:56:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34041-2001.09.03-18.21.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Has anyone else had problems choosing the display fonts in WinAPRS? (Settings - General Display - Fonts
 Settings) It seems that regardless of what I choose, WinAPRS always seems to revert to some other font
 the next time I run it. Usually the font it reverts to is an extremely small one that I can hardly
read. If I choose my preferred font again it works fine until the next time I run it. I once thought
it was because I was using an unregistered version but the symptom continued after I registered the
program.

Thanks a bunch.

Bruce - VE5BNC

89. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Sep 2001 20:14:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34048-2001.09.03-19.40.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 3 Sep 2001, Al Arnold wrote about his THD7:
>
> I tire of changeing the path back and forth from *RELAY,WIDE2-2*
> to the ISS call of *NOCALL*

Remember that RELAY and WIDE can be abbreviated to just R and W.
Thus your path is easier entered as R,WIDE2-2. Im not sure, though, if
R,W2-2 works or not. Havent tried it.

Makes it a bit easier anyway...

Bob,WB4APR

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90. [aprssig] diamond f23a antenna

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 3 Sep 2001 21:19:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34067-2001.09.03-20.44.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just bought one of these used at shelby, got home and swept it. It's resonant at 137mhz, running nearly 2:1 swr at 146mhz.... anyone know how to tune this antenna? There is a coil near the top, should I trim above or below this coil to raise the resonant freq? Just so this is aprs related.... it's my new base station antenna for the aprs rig.

Wes

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91. [aprssig] APRS spec at tapr.org?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Mon, 3 Sep 2001 22:08:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34078-2001.09.03-21.32.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

I have been trying to download the APRS spec from TAPR at ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf. This is the link that is provided from their website. Unfortunately, I get an "404 - Page not found" in my browser for almost all tapr.org downloads. Is this MY setup problem or are more people experiencing problems?

Thanks,

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

92. [aprssig] Magellan GPS for Palm V

From: Stephan Greene <sgreene@patriot.net>
Date: Mon, 3 Sep 2001 22:14:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34080-2001.09.03-21.37.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not completely APRS-related, but possibly useful:

CompUSA is having a sale this week on the Magellan GPS Companion for the Palm V. It is a 12-channel receiver that clips onto the back of the Palm V and connects via the serial port. Output is 4800 baud NMEA. It is powered by 2 AAA alkaline batteries, with about 10 hrs of oerating time predicted. The Palm V is NOT powered or recharged by the GPS. Price is $50 plus tax after in-store and mail-in rebates.

The unit comes with a Magellan-branded version of Marcosoft's QuoVadis 2.0. (I've been using an earlier version and I think it is quite good.) It should work fine with pocketAPRS. I'd recommend having either very apps installed or an 8MB unit - the maps will take up a lot of space!

HOWEVER, since the Palm V has only ONE serial port, you can't use it as a
display for GPS data AND feed a tracker OR monitor the APRS network. IF
you could rig a suitable connector, it might be usable as a stand-alone
GPS for a tracker.

Lock-up time the first time was lengthy. OTOH, it was able to maintain
lock after a fashion from inside my house (albeit near a large window).

73 Steve KA1LM

Stephan A. Greene   sgreene@patriot.net   ka1lm@amsat.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

93. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 3 Sep 2001 21:18:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34081-2001.09.03-21.42.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Even easier, R,W2 = RELAY,WIDE2-2! So go between NOCALL and R,W2 for
your path. (same for TM-D700)

Hope this helps.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Posted At: Monday, September 03, 2001 7:19 PM
> Subject: [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS
> and terrestrial APRS?

> Remember that RELAY and WIDE can be abbreviated to just R and
> W. Thus your path is easier entered as R,WIDE2-2. Im not
> sure, though, if R,W2-2 works or not. Havent tried it.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

94. [aprssig] Re: APRS spec at tapr.org?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Mon, 3 Sep 2001 23:10:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34089-2001.09.03-22.34.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Seems that the problem lies with the firewall here at my work. When I run
"command-line" FTP, I get a "connection reset by peer" at the moment I send
my user/pass. I tried downloading to a UNIX box outside the firewall, and
all works. I downloaded the file to the UNIX box, and FTP-ing from my home
PC to that box went without incidents. Got all I need now....

Well... thanks all for your quick responses.

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

----- Original Message -----
From: "KC7ZRU - Tate" <373kc7zru737@arrl.net>
To: "Ramon F. Kolb" <ramon@ieee.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 03, 2001 11:01 PM
Subject: Re: [aprssig] APRS spec at tapr.org?

> Ramon,
>
> The link you posted worked fine for me here. Lemme know if it's still
> giving you fits and I can send you a link to a copy on one of my servers
> here.
>
> 73
>
> "Ramon F. Kolb" wrote:
> >
> > Folks,
> >
> > I have been trying to download the APRS spec from TAPR at
> > ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf. This is
the
> > link that is provided from their website. Unfortunately, I get an "404 -
> > Page not found" in my browser for almost all tapr.org downloads. Is this
MY
> > setup problem or are more people experiencing problems?
> >
> > Thanks,
>
> --
>   Casper, WY | CARC Repeater
>   DN62tt | 146.940
>   "The Dungeon" online at http://go.to/kc7zru
>   "RTFM" is NOT a 'four letter' word!
>

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95. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "Germino" <mgermino@inreach.com>
Date: Mon, 3 Sep 2001 21:29:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34094-2001.09.03-23.56.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob: Wouldn't NOCALL,RELAY,WIDE2-2 be One of the worst things you can do to
the ISS? After the ISS heard this and transmitted wouldn't all the home
stations then RELAY. I use my home station for both terrestrial APRS and
the ISS, and RELAY is in the setup.

Mike
AD6AA

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96. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 03 Sep 2001 22:34:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34095-2001.09.03-23.58.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

N0CALL (N zero CALL) is the call for the packet setup on
ISS. At least until the crew is trained, has time, and changes the
packet stations 'MYCALL' (working ISS was part of the original
question). So, not only in theory, but in practice - it cam work. BUT
only on the odd split of: Uplink 145.99 and Downlink 145.80 and when ISS
is in range. see http://www.rac.ca/arisnews.htm for more

However, since there are no RELAY digipeaters (I assume) on 145.80,
that call wouldn't do anything but add to the total packet length.
Increasing total packet length can diminish your chances of a successful
digipeat. Since ISS is as strong as it is, practical limitations may be
minimal. Likely this increase in packet length would be detrimental only
during fringe passes.

It'd work - just be sure that whatever satellite you may use such a

scheme on does *NOT* downlink on 144.390 (such as PCSat - right?). You'd
light up every RELAY digipeater in the footprint at the same time and
QRM the total live'n be-jeebies outta everything APRSish. It'd only take
one 'oops' to really crank off a LARGE number of folks - all at once.

73

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

97. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 03 Sep 2001 22:38:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34098-2001.09.04-00.03.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yea, you'd be right - IF ISS downlinked on 144.390 - since it downlinks
on 145.80, no problem (unless there are multiple someones gating 145.80
to 133.390!)

73

Germino wrote:
>
> Bob: Wouldn't NOCALL,RELAY,WIDE2-2 be One of the worst things you can do to
> the ISS? After the ISS heard this and transmitted wouldn't all the home
> stations then RELAY. I use my home station for both terrestrial APRS and
> the ISS, and RELAY is in the setup.
>
> Mike
> AD6AA
>

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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98. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 03 Sep 2001 22:42:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34104-2001.09.04-00.07.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry!

I read that way too quickly. Yea, you're onto something. If folks don't
also disable RELAY, UIDIGI or whatever when they QSY to the ISS uplink -
that could be quite a mess!!

Packet out: via NOCALL,RELAY
ISS digipeats NOCALL*,RELAY
Ground stations listening to ISS that are still sorta configured for
normal APRS work then digipeat: NOCALL,RELAY*

Sorry for jump'n the gun.

73

Germino wrote:
>
> Bob: Wouldn't NOCALL,RELAY,WIDE2-2 be One of the worst things you can do to

> the ISS? After the ISS heard this and transmitted wouldn't all the home
> stations then RELAY. I use my home station for both terrestrial APRS and
> the ISS, and RELAY is in the setup.
>
> Mike
> AD6AA

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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99. [aprssig] UIDIGI ROM

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Mon, 03 Sep 2001 21:56:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34109-2001.09.04-00.20.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Our radio club plans to upgrade our local mountain top digi from a
PACCOMM 5.0 to a UIDIGI ROM due to the WIDEn-n feature. I have a few
questions first.

1) We have a weather station online already however don't see anything
in the UIDIGI info about a GPSHEAD or GPSTEXT string.   Can UIDIGI run
a PEET weather station?

2)   I am having a problem opening the UIDIGI 18B6.ZIP and UIDIGI17.ZIP
using WINZIP. Am I the only one having this problem? UIDIGI16.ZIP
unzipped fine.

--
  Kurt O. Jauss
     kf6hjo@earthlink.net
         3630.45N 11940.50W   144.39Mhz
       Selma Ca.   {APRS Weather & GPS Tracker}
    SKYWARN member Hanford Ca. NWS
              DOSAPRS/WAPRS/APRS+SA
  Want to find my truck? http://www.findu.com/cgi-bin/find.cgi?kf6hjo-9

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100. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 4 Sep 2001 08:42:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-34122-2001.09.04-08.06.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 3 Sep 2001, Germino wrote:

> Bob: Wouldn't NOCALL,RELAY,WIDE2-2 be One of the worst things you can do to
> the ISS? After the ISS heard this and transmitted wouldn't all the home
> stations then RELAY.

Yes, transimtting such a packet would be like Nukeing the channel!
Good point!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

101. [aprssig] Re: UIDIGI ROM

From: Doug Bade <doug@clecom.com>
Date: Tue, 04 Sep 2001 09:05:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34123-2001.09.04-08.29.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The comm port on a UIDigi based TNC2 does not support anything normal.
There is a command line interface, but not like the normal tnc.. No way to
do weather station that I know of.. BTW, no way to do IGATE setup either,
at least not without customizing APRSD... 73, Doug KB8GVQ

At 09:56 PM 9/3/01 -0700, you wrote:
>   Our radio club plans to upgrade our local mountain top digi from a
>PACCOMM 5.0 to a UIDIGI ROM due to the WIDEn-n feature. I have a few
>questions first.
>
>1) We have a weather station online already however don't see anything
>in the UIDIGI info about a GPSHEAD or GPSTEXT string.   Can UIDIGI run
>a PEET weather station?
>
>2)   I am having a problem opening the UIDIGI 18B6.ZIP and UIDIGI17.ZIP
>using WINZIP. Am I the only one having this problem? UIDIGI16.ZIP
>unzipped fine.
>
>--
>   Kurt O. Jauss
>   kf6hjo@earthlink.net
>   3630.45N 11940.50W   144.39Mhz
>   Selma Ca.   {APRS Weather & GPS Tracker}
>   SKYWARN member Hanford Ca. NWS
>   DOSAPRS/WAPRS/APRS+SA
>   Want to find my truck? http://www.findu.com/cgi-bin/find.cgi?kf6hjo-9
>
>
>
>
>---
>You are currently subscribed to aprssig as: DOUG@CLECOM.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

102. [aprssig] Re: Automatic Vehicle Location System Available Over Nextel Network

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 04 Sep 2001 08:50:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34126-2001.09.04-09.14.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Data Burst Technologies to Offer Nationwide Vehicle Location Services;
>iTRAK and NavView Automatic Vehicle Location System Available Over
>Nextel Network

I now have the JeAPRS library partitioned and alterered so that there is a
J2ME version that runs within the CLDC. I have been connecting to APRSServe
running under the emulator in Suns J2ME Wireless Toolkit. The size of the
download into the nextel phones is limited though and my initial attempt to
put my simple application into the phone failed with an out of memory error.
I am going to try and spend some time on getting things whittled down to fit,
and then I'll be putting the J2ME and non-J2ME versions of the libraries out
on yahoo groups, and hopefully, finally, the GUI application framework.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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103. [aprssig] Active GPS Antenna (was RE: Rainfall Reports)

From: "W1SAR" <w1sar@searcher.org>
Date: Tue, 4 Sep 2001 07:22:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34132-2001.09.04-09.45.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Matthew W
> Stennett
> Subject: [aprssig] REF:: Rainfall Reports
>
>
> We'll send you up some of OURS......
> we musta' had WELL over TWO inches, in a matter
> of HOURS yesterday...
> Southwest, and more North, they had MORE !!

Send it here! Here in our part of Northern California we have had no measurable rain since May 6th - we have fires though!
http://www.arrl.org/news/stories/2001/08/29/5/?nc=1.

Keeping this on APRS topic - had problems keeping GPS locked on due to very heavy smoke overhead. Anyone any recommendations on a good GPS antenna - needs to be through roof mounting, and happy to work (even survive) roof temperatures of 150 degrees+. (We get days here which are over 110F) My Garmin external antenna doesn't like this and stops working.

We are equipping a brand new Ford F150 as the EC's vehicle and will have the roof lining out for the other antennas in a couple of wheeks - we might as well put a good GPS antenna in too!

Thanks

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

104. [aprssig] Re: UIDIGI ROM

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 4 Sep 2001 09:24:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34134-2001.09.04-09.50.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The AUX port on the UIDIGI firmware is setup to take raw data on the serial port and broadcast to the AUX path you specify. It may be possible to connect a weather station if it outputs data that can be decoded by other APRS software. Read the documentation on the AUXxxx settings on the UIDIGI and it might make a little sense.

The interface on the serial port does not act like normal TNC. It acts much like a NetRom or X1J node. Since UIDIGI is intended for standalone operation, there is no need to leave a computer connected to it. Just set it up and let it run independently.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 03, 2001 11:56 PM

Subject: [aprssig] UIDIGI ROM

> Our radio club plans to upgrade our local mountain top digi from a
> PACCOMM 5.0 to a UIDIGI ROM due to the WIDEn-n feature. I have a few
> questions first.
>
> 1) We have a weather station online already however don't see anything
> in the UIDIGI info about a GPSHEAD or GPSTEXT string. Can UIDIGI run
> a PEET weather station?
>
> 2) I am having a problem opening the UIDIGI 18B6.ZIP and UIDIGI17.ZIP
> using WINZIP. Am I the only one having this problem? UIDIGI16.ZIP
> unzipped fine.
>
> --
> Kurt O. Jauss
> kf6hjo@earthlink.net
> 3630.45N 11940.50W 144.39Mhz
> Selma Ca. {APRS Weather & GPS Tracker}
> SKYWARN member Hanford Ca. NWS
> DOSAPRS/WAPRS/APRS+SA
> Want to find my truck? http://www.findu.com/cgi-bin/find.cgi?kf6hjo-9
>
>
>
>
> ---
> You are currently subscribed to aprssig as: tim_cunningham@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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105. [aprssig] Re: APRS spec at tapr.org?

From: Steve Bragg <steve.bragg@itelemetry.net>
Date: Tue, 04 Sep 2001 09:40:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34137-2001.09.04-10.03.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Ramon F. Kolb" wrote:
>
> Folks,
>
> I have been trying to download the APRS spec from TAPR at
> ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf. This is the
> link that is provided from their website. Unfortunately, I get an "404 -

It could just be the filename. Isn't it supposed to be: APRS101m.pdf

Just in case, the Spec is cached at HamHUD.net:

http://www.hamhud.net/APRS101m.pdf

73,

Steve Bragg KA9MVA

```
--- __ __ ___   _____ __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
=========================================================
```

Steve Bragg KA9MVA steve@hamhud.net
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Find my HamHUD with findu!
http://www.findu.com/cgi-bin/find.cgi?ka9mva-3

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106. [aprssig] Yaesu VX150/Kenwood TH77A Tracker RF Deck Help!

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Tue, 04 Sep 2001 10:47:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34143-2001.09.04-11.08.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are preparing for our MS150 Bike-a-Thon this weekend, and as usual are putting trackers together at the last minute. We are using TTs and RM GPSs for control and various 2M hand helds for RF Decks.

All of our tracker "dongles" are wired for the standard Kantronics DB9 pin out with Mic audio on pin 1, PTT on pin 3, Rx audio on Pin 5, and pin 6 as ground.

Kenwood TH77A:
This unit is giving us fits. The radio keys up, but no data audio is present. The same tracker with a RS HTX202 works fine. The radio exihibits the same problems when hooked to a KPCIII+.

We have wired the TH77a according to the diagrams available from Kantronics and Kenwood.
RX Audio and PTT ground on the smaller plug, TX Audio on ring of the larger plug with PTT on the barrell. The external microphone for this unit works fine. Any ideas?

VX150:
Has anyone used a Yaesu VX150 for a tracker rf deck? Will it run off of 12 volts? Are the mic/audo connectors unusuall or hard to come by?

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107. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Tue, 04 Sep 2001 11:50:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34146-2001.09.04-11.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Indeed. Thanks for the input on the path suggestion.

I will continue to switch my path back and forth. I thought I would check
here before transmitting such a path and I am glad I did.

I am not afraid to ask stupid questions!

73, Al

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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108. [aprssig] Re: Yaesu VX150/Kenwood TH77A Tracker RF Deck Help!

From: Mark Dieterich <n2pgd@arrl.net>
Date: Tue, 4 Sep 2001 11:52:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34147-2001.09.04-11.16.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich,

> Kenwood TH77A:
> This unit is giving us fits. The radio keys up, but no data audio is present. The same tracker with a RS HTX202 works fine. The radio exihibits the same problems when hooked to a KPCIII+.

Exactly the same thing I sent a note to the Sig about on Saturday. I bet if
you crank up the volume on the receiver you are monitoring with that there IS
audio there, the level is just really, really low. I even swapped out the 220K
resistor for a 100K resistor with no apparent difference. I'm still hoping
that someone on the Sig has come accross this and solved it!

This makes me feel somewhat better that it isn't just me.

73,

Mark

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109. [aprssig] MFJ Manuals web site

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Tue, 04 Sep 2001 10:33:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34159-2001.09.04-11.56.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks to work with Netscape now

Nice job MFJ!!

http://www.mfjenterprises.com/manuals.php

73

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               |LINUX user: 227845  http://counter.li.org/   |
               ++++++++++++++++++++++++++++++++++++++++++++++++
```

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110. [aprssig] Re: Yaesu VX150/Kenwood TH77A Tracker RF Deck Help!

From: "Scott - KD5MHM" <kd5mhm@kd5mhm.org>
Date: Tue, 4 Sep 2001 11:48:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34165-2001.09.04-12.16.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My Kantronics Manual for my Kam, etc says:

that the audio signal should be around 50mVp-p or it may need to be 'padded'
to avoid swamping the TNC input circuits. Perhaps seeing if the level is
around the magic 50mVp-p might help.

It also says that I may need to 'adjust' the output level to 10mV to 50mV
p-p and gives me a series resistor values that I can change to achieve
various higher or lower levels (up to about 1.7Vp-p). I'd assume that means
there could be a need for higher output going into some rigs.

In my other Kenwood manuals, there is no resistor in any speaker leads for
TNC hookups

The Kantronics manual also refers one to the packetradio.com site for more
info... go figure.

>From my TinyTrakII Manual:
TinyTrakII was designed for hand held radios. Some mobile radio require more
audio drive than TinyTrakII puts out. If audio levels are too low, even with
the R6 pot set to maximum, consider replacing the 220K R5 with a 100K
resistor. This should allow for about double the audio range.

I'd assume that going down to 75k or 50k or 33k ranges may be needed from
the implications of the Kantronics manuals. Someplace I've even see a
transistor amplifier circuit to boost the audio for some radios but can't
find it now that I need it.

I'm expecting to set up my TTII to an old Motorloa MCX-100 and guess I'll
have similar drive problems. I'll be watching for your success story
eagerly.

Best wishes,
Scott

From: "Mark Dieterich" <n2pgd@arrl.net>
Subject: [aprssig] Re: Yaesu VX150/Kenwood TH77A Tracker RF Deck Help!

> Rich,
>
> > Kenwood TH77A:
> > This unit is giving us fits. The radio keys up, but no data audio is
present. The same tracker with a RS HTX202 works fine. The radio exihibits
the same problems when hooked to a KPCIII+.
>
> you crank up the volume on the receiver you are monitoring with that there
IS
> audio there, the level is just really, really low. I even swapped out the
220K
> resistor for a 100K resistor with no apparent difference. I'm still hopin
g
> that someone on the Sig has come accross this and solved it!
>
> This makes me feel somewhat better that it isn't just me.
>
> 73,
>
> Mark
>

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111. [aprssig] Re: Magellan GPS for Palm V

From: K3for@aol.com
Date: Tue, 04 Sep 2001 13:19:37 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-34166-2001.09.04-12.43.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve, can you confirm that it powers up and puts NMEA GPS strings out its serial interface without
requiring any proprietary hand-shaking from the Palm software? If so, it'll be a substitute for
Tripmates, etc, if one doesn't mind the 3VDC power input req't.

>>CompUSA is having a sale this week on the Magellan GPS Companion for the Palm V. It is a 12-channel
receiver that clips onto the back of the Palm
V and connects via the serial port. Output is 4800 baud NMEA. It is powered by 2 AAA alkaline
batteries, with about 10 hrs of oerating time predicted... Price is
$50 plus tax after in-store and mail-in rebates. The unit comes with a Magellan-branded version of
Marcosoft's QuoVadis 2.0. (I've been using an earlier version and I think it is quite good.) It should
work fine with pocketAPRS. I'd recommend having either very
apps installed or an 8MB unit - the maps will take up a lot of space! HOWEVER, since the Palm V has
only ONE serial port, you can't use it as a display for GPS data AND feed a tracker OR monitor the APRS
network. IF
you could rig a suitable connector, it might be usable as a stand-alone GPS for a tracker.

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112. [aprssig] Re: New generic calls proposal - IGATE?

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 4 Sep 2001 13:25:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34172-2001.09.04-13.52.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > > I was asking about how things were setup right
> > > now...not a future vision thing.
> >

> > Yeah, techically you are right. Yet the one that brought it up was the
> > author of DIGI-NED, hence, the future is a few keystrokes away. He
> > was asking for feedback on his suggestion.
>
> So...is there a way to know (based on the RF stream coming from an
> IGATE), that an IGATE exists in a given area (right now, today)?

Ev,

I use the TCP-IP symbol to designate the IGate on this end.

73's,

Tim - N8DEU
Huntsville, Alabama

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113. [aprssig] Re: Magellan GPS for Palm V

From: Stephan Greene <sgreene@patriot.net>
Date: Tue, 4 Sep 2001 14:37:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-34173-2001.09.04-14.01.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 4 Sep 2001 K3for@aol.com wrote:

> Steve, can you confirm that it powers up and puts NMEA GPS strings out
> its serial interface without requiring any proprietary hand-shaking
> from the Palm software? If so, it'll be a substitute for Tripmates,
> etc, if one doesn't mind the 3VDC power input req't.

I cannot tell for sure if it does or not - the bundled apps (rebranded
Marcosoft QuoVadis and a separate navigation app) open a serial connection
as part of their startup.

I'll try with a plain telnet/vt100 program and see if I get MNEA strings
as soon as I turn on the connection - the interface "control" is probably
something simple like manipulating the DTR or RTS/CTS lines.

More problematic is the need for a custom connection or some serious
hardware hacking. For tracker purposes, something like the RandMcNally
unit is more easily hacked and supports a wider range of inpuyt voltage.

73
Steve KA1LM

Stephan A. Greene   sgreene@patriot.net   ka1lm@amsat.org

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114. [aprssig] Subject: Re: PHG Question

From: Tony Arnerich <TArnerich@IN-SITU.COM>
Date: Tue, 4 Sep 2001 12:59:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34176-2001.09.04-14.30.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian Badger <bbadger@yahoo.com> wrote:

>According to the APRS spec:
>
>range = sqrt(2*HAAT*sqrt((power/10)*(gain/2)))

>
>where range is in miles, HAAT is in feet, power is in
>watts and gain is a multiplier (not dB).
[snip]
>... look what happens when I use the legal limit into a 10 db beam from my
>site --
>
>range = sqrt(2*1280*sqrt((1500/10)*(10/2))) =
>   sqrt(2560*sqrt(150*5)) = 264 miles
>
>... somehow get my signal >200
>miles past the 2 meter band line-of-sight for that
>altitude.

I have poor prediction results here too. The equation contains no terms for the local land contours (replacing that highly detailed information with just the single number HAAT), and also does not appear to give good approximations to the Earth curvature out to any great distance, apparent from your example. It's an extreme simplification which might be good for low antenna HAATs within areas of essentially flat terrain. Radio Mobile will probably give better predictions elsewhere.

What's more, Radio Mobile gives results directly in signal strength contours. That and knowledge of the client station's relevant figures (antenna gain, radio sensitivity, etc.) can actually take you somewhere. We could even decide on some threshold signal strength level (10 microvolts? Less? More?) and report the averaged radii of the coverage directions that seem most important.

My own example case is my digi which has a heavily negative HAAT, yet still manages to cover out to ~30 miles in many directions. That makes sense because I can see that terrain with my eyes. Line of sight is very good on a concave surface, all the way out to the ridgelines (the rim of the bowl in other words).

***

 "John Langtry, VE3NEC" <ve3nec@sympatico.ca> wrote:

>I think the first issue, that we must address, is
>just what does the PHG plot represent ? Is it the
>digipeater's coverage for :
>1) a mobile station e/w a (usually 1/4 wave) antenna
>2) a home station e/w an external and high gain antenna
>3) the *absolute* coverage, in theory, of the digipeater.
>
>I think most of us would go with choice # 1

I think that's a good choice for a Standard Client. People will generally know that increasing or decreasing their station's capability will have an effect on the workable range, just as you say.

>So, my first take on this, would be to drive around the
>digipeater with a typical tracker; and get a rough feel
>for the *real* mobile coverage of the digipeater in
>question.

Agreed. It can be refined later if necessary using the experiences of the other locals. The nice thing about that is that it takes into account several installation variables like antenna height on the vehicle and radio/TNC sensitivity. One could pick the median coverage radius in the "most important" directions.

>Once that information is in hand, then adjust the PHG
>values to *approximate* the reality of the situation.

Right. Be willing to fudge whichever factor it takes to have the figure match the reality.

***

Bob Bruninga <bruninga@usna.edu> wrote:

>And there were so many problems of Hams that confused HAAT and their
>Height above sea level, that we defined a different field of RNGxxxx so
>that someone could unequivocably define a range circle of xxxx miles.
>This avoids the PHG all together...

Wow, that's SUPERB. As far as I can tell, the main value of a range

calculation based on PHG is to help you plan how much time you'll need for
the drive when you go out to measure the actual coverage. So, looking for a
show of hands, SW authors: which apps will parse RNGxxx?

>In any case, the original docs DIGIS.POS warned all DIGI operators that
>the exact values of PHG was not important, but it was more importnat to
>just use values that "resulted" in a circle that accurately described thir
>coverage"...

Very good to hear that confirmed. Radios are more accurate than
approximation formulas.   ;-)

73,
Tony KD7TA

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115. [aprssig] Re: New generic calls proposal - IGATE?

From: Tony Arnerich <TArnerich@IN-SITU.COM>
Date: Tue, 4 Sep 2001 13:42:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34182-2001.09.04-15.13.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis <w2ev@rochester.rr.com> asks:

>Is there something in the RF stream of an IGate-enabled station
>that tells me that they are an IGATE, able to pump my frame to the
>Internet system?

There is, if you're visiting Laramie. I dunno what they do in the big
cities. ;-)

Here's what SA+ can do (in this particular case it's announcing that the
gate is inactive):

KD7TA-1>APS200,TRACE2-2/1:=4118.67N/10535.62W-PHG0260 iGate=No;
kd7ta@arrl.net
which is enabled by the following posit text:

 iGate=<IGATE2>; kd7ta@arrl.net

Also, Joel N7XUC runs an applet that tests 2-way connectivity to aprsserve.
When successful it sends an object out on 3 hops called IGUP (IGate UP).
Logged here:

IGUP   41.29433333   -105.5788333   1.4   147
2001/08/31 12:20:18   =Good Igate Coverage (N7XUC beacon)
G:K:APRS,KK7CN-8*,WIDE3-1/1}APZIGU,TCPIP*,KC7ZRU-15*
!4117.66N/10534.73WIGood Igate Coverage (N7XUC beacon)

73,
Tony KD7TA

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116. [aprssig] UI-View/AGW/BayCom

From: Robert Michaud <r.michaud@glumac-sf.com>
Date: Tue, 4 Sep 2001 12:53:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34183-2001.09.04-15.19.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone help me with getting UI-View/AGW/BayCom to work with each other?

The BayCom works with the FT290 running BayCom in dos, UI-View works with a
D7, Windows shows that AGW is installed but UI-View (after AGW
configuration, at least I think that's correct) doesn't recognize the
AGW/Baycom driver.

All the pieces work but not together.

Robert, KD6INI

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117. [aprssig] Re: New generic calls proposal - IGATE?

From: Marinus van Opzeeland <m.vanopzeeland@chello.nl>
Date: Tue, 4 Sep 2001 22:36:58 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34185-2001.09.04-16.00.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday, September 2, 2001, at 02:43 , Ev Tupis wrote:

>>> I was asking about how things were setup right
>>> now...not a future vision thing.
>>
>> Yeah, techically you are right. Yet the one that brought it up was the
>> author of DIGI-NED, hence, the future is a few keystrokes away. He
>> was asking for feedback on his suggestion.
>
> So...is there a way to know (based on the RF stream coming from an
> IGATE), that an IGATE exists in a given area (right now, today)?

The APRS Data Type Identifier for an igated frame is a } (third party
traffic), so whoever transmits this DTI is most likely an igate. MacAPRS
(so I think WinAPRS as well) has an "igate stations list" that displays
the heard igates. I expect it uses the DTI to identify.

73, Marinus

Marinus van Opzeeland, PE1LIF | marinus@mac.com

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118. [aprssig] Promished WinAPRS updates???

From: WCovey@aol.com
Date: Tue, 04 Sep 2001 18:39:16 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34190-2001.09.04-18.03.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WinAPRS authors,
Was just wondering where all of the promished WinAPRS updates are. I was reading over some old email notes and found the following concerning these updates.

Feb. 5, 2001 "I am going to try to release a new version at least every 2 weeks for the next couple of months."
That was in reference to 2.4.8. 2.5.0 and 2.5.1 have been released.
Are ALL of the features now operational in the latest version??

March 12, 2001 Re: the altitude being displayed on the map along with the icon. "This is only displayed for those stations that report this information. Later we will make it a preference." When is later???
Clutters up my screen. Really not very accurate information if the station is a stand alone TM-D700A

Reference to NWS Shape files...."In the future you will be able to select which county warning areas you want to pay attention to and ignore the rest." Still waiting and this is September. Not sure when this was introduced, but I believe it was version 2.5.0

So far though the version (2.5.0) I'm running at several EOC's have been very stable, but would like all of the features completed.

Thanks in advance.

Bill, W1GTT

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119. [aprssig] Re: Useless and petty bickering

From: "Bob Poirier" <poirier@trib.com>
Date: Tue, 4 Sep 2001 17:13:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34199-2001.09.04-18.36.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AMEN to that and thank you Wayne!! Perhaps the same should be said about
the proposed APRS ALIAS standards proposal that has resulted in nothing but
bickering too. What ever happened to promoting amateur radio instead of
egoism? Oh, I forgot...IT'S THE ME FIRST AND ONLY syndrome.

73,

Bob, K0DJ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

120. [aprssig] Garmin GPS 5

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 4 Sep 2001 20:24:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34210-2001.09.04-19.50.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone seen the garmin gps 5? 19mb of map storage!!

http://www.tvnav.com/gps5.html

Wes

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121. [aprssig] PCsat Trajectory Graphic

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 4 Sep 2001 21:19:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-34211-2001.09.04-20.43.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We just added a map to the PCsat web page of the first 4 orbits after
separation to show the first countries that will have a chance to hear it:

PCsat WEB page: http://web.usna.navy.mil/~bruninga/pcsat.html

We have volunteers in all countires except for Antarctica and Hokaido
Japan. Notice the separation near sunrise, meaning as the earth rotates,
those stations to the west of the sunrise line will all be hearing it at
or before sunrise in their countries as well. (sheesh). Only Hawaii and
Alaska will see it at a meaningful hour in the early evening on that first
pass.

If you want to know what to expect in advance, simply listen to the ISS
downlink on 145.800. Our packets should be identical although 3 dB less
signal strength probably. If you can capture ISS, you will be able to
capture us. New info will be posted on the WEB page as it becomes
available.

de WB4APR@amsat.org, Bob
And the rest of the USNA PCsat team...

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122. [aprssig] anyone tried Pharos iGPS-80 GPS receiver? With TH-D7A?

From: <kd7dpu@home.net>
Date: Tue, 4 Sep 2001 19:06:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34214-2001.09.04-21.32.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone tried the Pharos iGPS-80 with their APRS setup or D-7A?

http://www.pharosgps.com/products/

I have a Tripmate, but I need something smaller than that. Weatherproof
would be nice as well as 12 channel fast acquisition.

Can anyone relay their experiences with this thing?

Thanks!

Robert
KD7DPU

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

123. [aprssig] Re: MFJ Manuals web site

From: Robbie Robertson <mwrobertson@home.com>
Date: Tue, 04 Sep 2001 21:07:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34215-2001.09.04-21.32.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, seems they added the two missing lines at the very
beginning,
<html>
<head>

Nice of them to heed our crys, :-)

Robbie

KC7ZRU - Tate wrote:
>
> Looks to work with Netscape now
>
> Nice job MFJ!!
>
> http://www.mfjenterprises.com/manuals.php
>
> 73
>
> --
>   /\
> | CARC Repeater 146.940   DN62 |
> | http://groups.yahoo.com/group/RM-APRS |
> | "The Dungeon" at http://go.to/KC7ZRU |
> |LINUX user: 227845 http://counter.li.org/ |
>   ++
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

124. [aprssig] Two copies of each message

From: Dave Sloan <desloan@earthlink.net>
Date: Tue, 4 Sep 2001 21:24:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34223-2001.09.04-22.48.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone else getting a copy of the messages being posted. Just started with the last two messages.

73
Dave N0EOP

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125. [aprssig] Re: Two copies of each message

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 04 Sep 2001 22:36:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34224-2001.09.04-22.59.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:24 PM 9/4/01, Dave Sloan wrote:

>Anyone else getting a copy of the messages being posted. Just started with
>the last two messages.

What changed on YOUR computer? Usually when I see a e-mail client getting
double messages, it has to do with settings on that computer - like someone
messing with filters, "personalities," or multiple user settings...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

126. [aprssig] Re: Promished WinAPRS updates???

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 04 Sep 2001 23:39:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34242-2001.09.05-00.06.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WCovey@aol.com wrote:
>
> WinAPRS authors,
> Was just wondering where all of the promished WinAPRS updates are. I was reading over some old email
notes and found the following concerning these updates.

I'd also like to throw in a request to get the DF function to work
right.

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

127. [aprssig] Re: Promished WinAPRS updates???

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 04 Sep 2001 23:50:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34243-2001.09.05-00.13.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:39 PM 9/4/01 -0500, Skip Allison wrote:

>WCovey@aol.com wrote:

> >
> > WinAPRS authors,
> > Was just wondering where all of the promished WinAPRS updates are. I
> was reading over some old email notes and found the following concerning
> these updates.
>
>I'd also like to throw in a request to get the DF function to work
>right.

Then there's the weather functions...

The data spider interface....

I'm getting significantly older, waiting for these things to happen.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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128. [aprssig] Re: anyone tried Pharos iGPS-80 GPS receiver? With TH-D7A?

From: WA8LMF2@aol.com
Date: Wed, 5 Sep 2001 01:01:23 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kd7dpu@home.net
Message-ID: <LYR842-34244-2001.09.05-00.25.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/4/01 7:12:27 PM Pacific Daylight Time, kd7dpu@home.net
writes:

> Has anyone tried the Pharos iGPS-80 with their APRS setup or D-7A?
>
> http://www.pharosgps.com/products/
>
> I have a Tripmate, but I need something smaller than that. Weatherproof
> would be nice as well as 12 channel fast acquisition.
>
> Can anyone relay their experiences with this thing?
>
> Thanks!

Yes. It's a totally standard generic NMEA 2.0 GPS based on the common SiRF
chipset used in many other GPSs. It comes in several flavors of connecting
cord; some with "wierd plugs" that mate with various PDAs and pocket PCs,
and one with the typical split cable with a DB-9 serial plug for data and a
PS/2 plug to steal 5 VDC power from a laptop's PS/2 keyboard/mouse connector.
 It powers up automatically sending 4800 baud NMEA ASCII with no initializing
required.

I've used it successfully with my D700, and on various laptops with Street
Atlas, TopoUSA 2 and 3, MapInfo, MS Automap97, APRSplus and UI-View with
perfect results. The unit is not totally weatherproofed -- I glued some
magnetic rubber refrigerator magnet material to it's underside and have used
outside on the car roof but I wouldn't want to leave it outside longterm.
(Not sure how UV-resistant the grey plastic case which appears to be
polystyrene or something similar is.)   Actually, I have found it works just
about as well inside on top of the dash if you have a modern vehicle with a
shallowly-sloped raked-back windshield. (I'm using it this way in a Passat
TDI wagon.)   I stuck down a patch of Velcro all the way forward on the dash
, at the base of the windshield, and use it to hold the unit in place.

USEFUL TIP: Note the arcs your windshield wipers make and Velcro the unit
at a point where the wiper goes all the way down to the bottom of the
windshield. The first time I dash mounted a GPS, I happend to put it at the
center where both wipers missed. It would quit working everytime it rained --
the pattern of water drops in the non-wiped area was enough to kill the GPS
signal. Moving the unit 3 inches to one side, placing under glass that was
being wiped made it work perfectly!

Another potential problem using GPS units on-dash is that some new cars with
huge windshields (Aerostar, TransSport, etc) have a heat-reflective treatment
consisting of microscopic metal particles in the glass that also blocks RF
from getting through.

Stephen H. Smith   wa8lmf @ aol.com
     (Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
----

|
| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts
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129. [aprssig] FS:APRS useable items.

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Tue, 04 Sep 2001 23:24:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34245-2001.09.05-00.48.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the following for sale items, if interested please contact me off
the APRSSIG:

1. Kantronics KPC-3+ 8.3 firmware, wired for voltage/temperature
telemetry.
   (Ideal for digi use)

2. Pharos iGPS-80 w/ PS/2 and DB-9 connections for laptop/notebook
computers.
3. Kenwood D7A(G) w/accessories.
4. Palmpilot IIIxe (excellent for PocketAPRS software)

Cheers,
Tino - VE6SZR
Calgary, Alberta

ve6szr@rac.ca
sarrov@telusplanet.net

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130. [aprssig] Re: Promished WinAPRS updates???

From: Jim Duncan <ku0g@kcaprs.org>
Date: Wed, 05 Sep 2001 00:36:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34252-2001.09.05-00.59.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, we'd all like to see these things but bear in mind the following:

WinAPRS (and the other incarnations) are HOBBIES to the program
authors. They derive little, if any, income from registration fees.

That means that we sit and wait for the next release but NEVER have the
right to criticize people taking business over hobby....

Temper your words, folks,   If you REALLY want a lot of updates, then
put your money where you mouth is.... These people all work for a
living and program for ham radio (a dying hobby, remember...) for the

love of doing it...

David VanHorn wrote:
>
> At 11:39 PM 9/4/01 -0500, Skip Allison wrote:
>
> >WCovey@aol.com wrote:
> > >
> > > WinAPRS authors,
> > > Was just wondering where all of the promished WinAPRS updates are. I
> > was reading over some old email notes and found the following concerning
> > these updates.
> >
> >I'd also like to throw in a request to get the DF function to work
> >right.
>
> Then there's the weather functions...
>
> The data spider interface....
>
> I'm getting significantly older, waiting for these things to happen.
>
> --
> Dave's Engineering Page: http://www.dvanhorn.org
>
> I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
> in my signature line, but due to the inability of sysadmins at TELOCITY to
> differentiate a signature line from the text of an email, I am forbidden to
> have it.
>
> ---
> You are currently subscribed to aprssig as: KU0G@KCAPRS.ORG
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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131. [aprssig] Re: Promished WinAPRS updates???

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 05 Sep 2001 02:54:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34255-2001.09.05-03.17.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:36 AM 9/5/01 -0500, Jim Duncan wrote:
>Yes, we'd all like to see these things but bear in mind the following:
>
>WinAPRS (and the other incarnations) are HOBBIES to the program
>authors. They derive little, if any, income from registration fees.
>
>That means that we sit and wait for the next release but NEVER have the
>right to criticize people taking business over hobby....
>
>Temper your words, folks,   If you REALLY want a lot of updates, then
>put your money where you mouth is.... These people all work for a
>living and program for ham radio (a dying hobby, remember...) for the
>love of doing it...

I've been waiting over two years, with assurances of "yeah, real soon every
time I ask.
I did put my money where it belongs, for DosAPRS, WinAPRS, PalmAPRS, and
UI-View.
I don't know about you, but a couple thousand hits at $60 per, adds up to a
bit more than a hobby.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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132. [aprssig] Re: Promished WinAPRS updates???

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 05 Sep 2001 03:18:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34256-2001.09.05-03.42.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:36 AM 9/5/01, Jim Duncan wrote:

>Temper your words, folks, If you REALLY want a lot of updates, then
>put your money where you mouth is.... These people all work for a
>living and program for ham radio (a dying hobby, remember...) for the
>love of doing it...

I would also like to add that both Brothers Sproul have stated emphatically
that they respond to any and all private email. My last round of bug
reports and inquiries were posted both privately to them and to the SIG at
the same time. I have yet to see a response from either of them.

On the other hand, a certain author, of whom I am not a registered user of
his APRS version, has always responded to my inquiries and questions in a
timely manner. Thanks, Brent. Hmmm...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

133. [aprssig] Re: Promished WinAPRS updates???

From: "Brad McConahay" <brad@n8qq.com>
Date: Wed, 5 Sep 2001 05:19:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34259-2001.09.05-04.43.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Jim Duncan" <ku0g@kcaprs.org> Wednesday, September 05, 2001 1:36 AM
>
> WinAPRS (and the other incarnations) are HOBBIES to the program
> authors. They derive little, if any, income from registration fees.

Well, if these guys paid $60 for WinAPRS, then there's no reason for them
to not complain loudly about the lack of updates. The only reason I never
complain is because I've never been able to bring myself to pay $60 for
WinAPRS.

To be obnoxiously blunt, this is an application that has always felt as
though it's in a constant state of alpha, a clumsy and outdated interface
compared to typical windows apps, and sporadic upgrades/fixes/support...

Now, normally I would never dream of being so critical of someone else's
software, and I understand why these things are the way they are.
The authors have lives and must earn real livings, APRS is still
very young and constantly evolving, and WinAPRS comes from code that
is developed cross-platform, etc.

If this were freeware or similar, then I would defend the authors
against any and all criticism of the program, just like you're doing
now.

Don't get me wrong, I fully support the notion of hams charging for
software using crippleware or similar methods, but understand that
it is a business transaction that carries with it justified
expectations. Can't play it both ways.

> That means that we sit and wait for the next release but NEVER have the
> right to criticize people taking business over hobby....

In the case of freeware, careware, solicited donations, et al, I would
agree. But that's not the case with paid customers.

> Temper your words, folks,   If you REALLY want a lot of updates, then
> put your money where you mouth is....

If they spent the $60, then they already did.

Brad n8qq

--
Brad McConahay, N8QQ http://n8qq.com
NetCrafters, Inc. ..... http://netcrafters.com
Weather Amateur Radio Network ... http://warn.org
Cincinnati, Ohio ..... http://cincy.com

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134. [aprssig] Re: New generic calls proposal - IGATE?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Wed, 05 Sep 2001 07:17:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34265-2001.09.05-06.43.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > So...is there a way to know (based on the RF stream coming from an
> > IGATE), that an IGATE exists in a given area (right now, today)?
>
> The APRS Data Type Identifier for an igated frame is a } (third party
> traffic), so whoever transmits this DTI is most likely an igate. MacAPRS
> (so I think WinAPRS as well) has an "igate stations list" that displays
> the heard igates. I expect it uses the DTI to identify.

Marinus,

Of course! I feel so stupid sometimes. I will go to the spec and read
about this. I remember asking this a long time ago and getting that
answer then, too...now that you say it. Thank you for taking the time
to help an old man's memory be reminded. :o)

Warmly,
Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

135. [aprssig] Re: Promished WinAPRS updates???

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Wed, 5 Sep 2001 21:46:08 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34266-2001.09.05-07.10.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Sep 05, 2001 at 12:36:00AM -0500, Jim Duncan wrote:
> WinAPRS (and the other incarnations) are HOBBIES to the program
> authors. They derive little, if any, income from registration fees.
>
> That means that we sit and wait for the next release but NEVER have the
> right to criticize people taking business over hobby....
>
> Temper your words, folks,   If you REALLY want a lot of updates, then

> put your money where you mouth is.... These people all work for a
> living and program for ham radio (a dying hobby, remember...) for the
> love of doing it...

All the more reason to use free (open source) software. If the author
gets bored with it or can't work on it for any more for some reason,
somebody else can work on it.

Xastir has changed hands in this way. aprsd is now being developed
by at least four people, including Dale.

Open source software just fits so well with the sharing spirit of
amateur radio that I'm surprised how few authors do it. Every month
QST and other amateur radio magazines are full of circuit designs
and other tips which people give away to other hams for free.
Why is software so different?

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

136. [aprssig] Re: Garmin GPS 5

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 5 Sep 2001 07:58:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34267-2001.09.05-07.23.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Radio Shack has the GPS5 listed in their new catalog...

Mike

----- Original Message -----
From: Wes Johnston <wes@johnston.net>

> Anyone seen the garmin gps 5? 19mb of map storage!!
>
> http://www.tvnav.com/gps5.html
>
> Wes

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137. [aprssig] WANTED: Garmin 12XL GPS

From: K3for@aol.com
Date: Wed, 05 Sep 2001 08:00:23 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34268-2001.09.05-07.24.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had two of these Garmin 12XL's - I like them a lot for APRS - lent one to a friend who lost it, and need to replace it. Minor scratches ok, prefer firmwire 3.5 or higher. Please contact me off-SIG if you have one.
Thanks/73's,
Skip/K3FOR

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138. [aprssig] Interesting packets...

From: Mark Dieterich <n2pgd@arrl.net>
Date: Wed, 5 Sep 2001 08:28:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-34270-2001.09.05-07.52.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

Can anybody shed some light on this for me? I'm running a tracker with a path
of RELAY,WIDE,WIDE. I noticed yesterday that something changed in how my
packets were being handled:

N2PGD-2>GPSMV,RELAY,N1PWU-15*,WIDE:$GPRMC,201336.77,A,4149.3550,N,07123.9308,W,00.0,000.0,040901,15.,W*6
B
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,201535.84,A,4149.3551,N,07123.9306,W,00.0,000.0,040901
,15.,W*6D
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,202936.00,A,4149.3553,N,07123.9308,W,00.0,000.0,040901
,15.,W*61
.
.
.
N2PGD-2>GPSMV,RELAY,W1GTT-15*,WIDE,W1TYL-00:$GPRMC,091937.91,A,4141.3627,N,07116.4969,W,00.0,000.0,05090
1,15.,W*6F
N2PGD-2>GPSMV,N1PWU-15,W1KRU-2*,WIDE:$GPRMC,111938.66,A,4143.8113,N,07116.1831,W,26.5,004.4,050901,15.,W
*60

Notice the extra hop in there. These are the packets that made it to findu.com
and I'm guessing the rest of the internet also... This went on for about 19
hours and then stopped??? I'm just curious what would be re-writing the path
or am I missing something here?

Thanks and 73,

Mark

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139. [aprssig] RE: Interesting packets...

From: "Mark A. Foley" <na4v@home.com>
Date: Wed, 5 Sep 2001 08:41:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34271-2001.09.05-08.04.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

W1TYL-00 is being identified as the station that gated your packet to the
internet (findu.com). Software for client applications are experimenting
with this feature at this time...should hear more about in the near
future....
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-23858@lists.tapr.org
[mailto:bounce-aprssig-23858@lists.tapr.org]On Behalf Of Mark Dieterich
Sent: Wednesday, September 05, 2001 8:28 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Interesting packets...

Folks,

Can anybody shed some light on this for me? I'm running a tracker with a
path
of RELAY,WIDE,WIDE. I noticed yesterday that something changed in how my
packets were being handled:

N2PGD-2>GPSMV,RELAY,N1PWU-15*,WIDE:$GPRMC,201336.77,A,4149.3550,N,07123.9308
,W,00.0,000.0,040901,15.,W*6B
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,201535.84,A,4149.3551,N,07
123.9306,W,00.0,000.0,040901,15.,W*6D
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,202936.00,A,4149.3553,N,07
123.9308,W,00.0,000.0,040901,15.,W*61
.
.
.
N2PGD-2>GPSMV,RELAY,W1GTT-15*,WIDE,W1TYL-00:$GPRMC,091937.91,A,4141.3627,N,0
7116.4969,W,00.0,000.0,050901,15.,W*6F
N2PGD-2>GPSMV,N1PWU-15,W1KRU-2*,WIDE:$GPRMC,111938.66,A,4143.8113,N,07116.18
31,W,26.5,004.4,050901,15.,W*60

Notice the extra hop in there. These are the packets that made it to
findu.com
and I'm guessing the rest of the internet also... This went on for about 19
hours and then stopped??? I'm just curious what would be re-writing the
path
or am I missing something here?

Thanks and 73,

Mark

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

140. [aprssig] RE: Interesting packets...

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 5 Sep 2001 08:09:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34277-2001.09.05-08.33.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,
  The via call W1TYL-00 identifies the station that gated your packet to
the Internet. The Igate is identified by the inclusion of a leading zero
in the ssid.

This is a new IGATE ID, proposed to identify IGATES but is not used by all
lgates. The format may change, or it could disappear entirely.

Bill KC9XG

On Wednesday, September 05, 2001 7:28 AM, Mark Dieterich
[SMTP:n2pgd@arrl.net] wrote:
> Folks,
>
> Can anybody shed some light on this for me? I'm running a tracker with a
path
> of RELAY,WIDE,WIDE. I noticed yesterday that something changed in how my
> packets were being handled:
>
>
>
N2PGD-2>GPSMV,RELAY,N1PWU-15*,WIDE:$GPRMC,201336.77,A,4149.3550,N,07123.
9308,W,00.0,000.0,040901,15.,W*6B
>
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,201535.84,A,4149.3551,
N,07123.9306,W,00.0,000.0,040901,15.,W*6D
>
N2PGD-2>GPSMV,N1PWU-15*,WIDE,WIDE,W1TYL-00:$GPRMC,202936.00,A,4149.3553,
N,07123.9308,W,00.0,000.0,040901,15.,W*61
> .
> .
> .
> N2PGD-2>GPSMV,RELAY,W1GTT-15*,WIDE,W1TYL-00:$GPRMC,091937.91,A,4141.36
27,N,07116.4969,W,00.0,000.0,050901,15.,W*6F
>
N2PGD-2>GPSMV,N1PWU-15,W1KRU-2*,WIDE:$GPRMC,111938.66,A,4143.8113,N,0711
6.1831,W,26.5,004.4,050901,15.,W*60
>
> Notice the extra hop in there. These are the packets that made it to
findu.com
> and I'm guessing the rest of the internet also... This went on for about
19
> hours and then stopped??? I'm just curious what would be re-writing the
path
> or am I missing something here?
>
> Thanks and 73,
>
> Mark

>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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141. [aprssig] Re: Interesting packets...

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Sep 2001 09:15:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34279-2001.09.05-08.40.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 5 Sep 2001, Mark Dieterich wrote:

>
N2PGD-2>GPSMV,RELAY,W1GTT-15*,WIDE,W1TYL-00:$GPRMC,091937.91,...

>
> Notice the extra hop in there. These are the packets that made it to
> findu.com and I'm guessing the rest of the internet also...

I thinnk some IGate ops are playing with the idea of inserting the
callsign of the IGate into the packet at the end of the digi field to help
identify the source of the injection. We want something like this for
the satellite downlinks to help locate where the packets are getting into
the network.

So it was just somone experimenting

 de WB4APR@amsat.org, Bob

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142. [aprssig] Re: Promished WinAPRS updates???

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Wed, 5 Sep 2001 09:19:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-34283-2001.09.05-08.44.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are still here, just swamped with our 'real' jobs..
Unfortunately, this summer has been busier than the school year for
both of us even though we do work at a school and you would think we
would be less busy during summer break.

Keith Sproul

>WinAPRS authors,
>Was just wondering where all of the promished WinAPRS updates are. I
>was reading over some old email notes and found the following
>concerning these updates.

--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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143. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Wed, 5 Sep 2001 9:11:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34286-2001.09.05-09.35.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You are not correct on the current ISS' digi call. It is NOT N "zero"
CALL.

It is N "oh" CALL. They are all letters as in NOCALL.

However, this may change since the new TNC was apparently delivered on the
recent supply shipment. When the astronauts have time, this should be
connected with the regular ISS call sign.

Regards,

Duffy WB8NUT

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144. [aprssig] Thank you, Bob and the Bunch...

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 5 Sep 2001 09:12:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34287-2001.09.05-09.37.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am a registered user of both WinAPRS and APRS +... Yep they have bugs and
don't do everything I would like for them to but I have received far more
pleasure and fun with the two programs than almost any thing else I have
purchased. I have both programs running on three computers in various modes
and would dramatically shorten anyone's life that tried to take them off...
(Don't make an issue of that statement; it is for emphasis and not a
threat...)

I also have Mr. Dimse's findu as the first screen up in the morning to check
on my weather station and also promote his site, aprs.net, m as a first stop
for non-APRS users and emergency operations personnel that are non-hams...

In combination, these are some of the best tools that have come along for
weather and emergency communications activities...

Thanks to all that have brought us today's APRS.... Including Kenwood and
Kantronics...

I have also worked up a PowerPoint presentation that I have given to a
couple of ham clubs that has screen snapshots of the above-mentioned
programs that have been very well received. It is based on the presentation
related to the Olympics in Atlanta, with some updates and the screen
shots... If you want it send me a private email, It is a fairly long
download.

If your club is in Central Texas, contact me and I will try to attend your
meeting and give the presentation...

Joe Dorn, W5VEX, Belton, Texas

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145. [aprssig] Re: anyone tried Pharos iGPS-80 GPS receiver? With TH-D7A?

From: Phil Reed <preed@dnaco.net>
Date: Wed, 05 Sep 2001 10:51:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kd7dpu@home.net
Message-ID: <LYR842-34288-2001.09.05-10.23.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>USEFUL TIP: Note the arcs your windshield wipers make and Velcro the unit
>at a point where the wiper goes all the way down to the bottom of the
>windshield. The first time I dash mounted a GPS, I happend to put it at the

>center where both wipers missed. It would quit working everytime it rained --
>the pattern of water drops in the non-wiped area was enough to kill the GPS
>signal. Moving the unit 3 inches to one side, placing under glass that was
>being wiped made it work perfectly!

As an alternate case: I mounted the external antenna for a Garmin 12XL onto
the little suction cup windshield mount, in preparation for winter. I first
positioned it in the wiped area, thinking the same thing (water absorption
would block the signal). What I found instead is that I couldn't get a
position when the wipers were running. Turned out the metal in the wiper
blades passing over the antenna every cycle was messing the signal up to
the point that the Garmin couldn't get a lock. I finally relocated the
antenna to a point NOT covered by the wipers (and kept it clear of snow),
and it worked perfectly. Turns out that while the moisture on the
windshield did reduce the signal strength somewhat, it never reduced it
beyond usability.

...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."

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146. [aprssig] Re: NOCALL,RELAY,WIDE2-2 (thd7ag) for ISS and terrestrial APRS?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Wed, 05 Sep 2001 09:23:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34290-2001.09.05-10.47.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Duffy,

I coulda sworn up and down hopping that it was 'zero' - but you're right! Looked it up at:
http://www.amsat.org/amsat/archive/sarex/200104/msg00187.html and there it is, 'oh'. Thanks for the
catch!

ISS call signs (when the new TNC goes online) info was found here:
http://www.rac.ca/arisnews.htm#Callsigns in Use

(may want to cut & past that one. the "...in Use" at the end is part of it. Or just hit
http://www.rac.ca/arisnews.htm and scroll down)

73

"J.Duffy Beischel" wrote:
>
> You are not correct on the current ISS' digi call. It is NOT N "zero"
> CALL.
>
> It is N "oh" CALL. They are all letters as in NOCALL.
>
> However, this may change since the new TNC was apparently delivered on the
> recent supply shipment. When the astronauts have time, this should be
> connected with the regular ISS call sign.
>
> Regards,
>
> Duffy WB8NUT
>

--

```
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
|       CARC Repeater 146.940     DN62        |
|    http://groups.yahoo.com/group/RM-APRS    |
|    "The Dungeon" at http://go.to/KC7ZRU     |
|LINUX user: 227845  http://counter.li.org/   |
++++++++++++++++++++++++++++++++++++++++++++++++
```

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147. [aprssig] Re: anyone tried Pharos iGPS-80 GPS receiver? With TH-D7A?

From: "W1SAR" <w1sar@searcher.org>
Date: Wed, 5 Sep 2001 08:20:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34293-2001.09.05-10.54.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> USEFUL TIP: Note the arcs your windshield wipers make and
> Velcro the unit
> at a point where the wiper goes all the way down to the bottom of the
> windshield. The first time I dash mounted a GPS, I happend to
> put it at the
> center where both wipers missed. It would quit working everytime
> it rained --
> the pattern of water drops in the non-wiped area was enough to
> kill the GPS
> signal. Moving the unit 3 inches to one side, placing under
> glass that was
> being wiped made it work perfectly!

The water droplets problem is easily solved with an application of Rain-X -

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

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148. [aprssig] Pager crystal 144.39 in a stock pager with a APRS decoder

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Wed, 05 Sep 2001 11:41:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34294-2001.09.05-11.05.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, so im no technical expert

I have been playing around with building my own POCSAG based alphanumeric
paging system. My desk has a bunch of pager guts on it and my computer has
all kinds of pocsag encoder/decoder progs on it.

standard POCSAG protocol and the APRS protocol are obviously different but
have some similarities, baud, packet size... without the *Bee...DO*
POCSAG prfix sound its hard to tell them apart by their audio sound.

what i wanted to do was tune a pager to the ISS downlink freq
and have it *beep* when it was overhead (ISS) so I could be untethered by
all the tracking stuff. A pager that beeps when the ISS is overhead (and
transmitting) would be a welcome addition to my shack on the belt.
I do long distance travelling by bicycle so weight reduction is key...
But APRS is not POCSAG or FLEX and APRS bursts do not open the squelch on
the pager.

I was also thinking that if a APRS pager could be developed, a hams callsign
could replace the *capcode* and we could have a APRS one way paging system
and be *always on* with a neat-o little device.
Standard POCSAG VHF pagers are twenty bucks new.

To see where I am on a map, click link below:
http://www.findu.com/cgi-bin/find.cgi?call=va3zen&radar=***

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

149. [aprssig] Re: [amsat-bb] PCsat Igate Station

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Sep 2001 16:17:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-34343-2001.09.05-15.41.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 31 Aug 2001, Fred Kennedy wrote:

> Hi Bob,
> I may be able to help and would be interested in doing so.

SOunds like there are two of you...

150. Re: PCsat Igate Station

From: David Fraser <zl3ai@nzart.org.nz>
Date: Sat, 01 Sep 2001 20:14:56 +1200
To: bruninga@usna.edu
Rendered body type: text/plain

Hi Bob,

I have a rather non-ideal setup, not really ideal for space applications,
and I don't have the ability to send heard packets directly to the
internet.

My main 2m aerial is a 5 element yagi pointing south (I'm in New Zealand
http://map.findu.com/zl3ai-2) and it performs well on southern passes
of ISS, when I use DIGI_NED to re-route packets from 145.8 to the local
APRS frequency (I'm one digi hop from an IGate) by adding WIDE,WIDE,WIDE
to the unproto address.

So I would be delighted to e-mail you the data that I hear, and will
also re-transmit it on the local network where hopefully it will be
heard by the ZL2UCX IGate.

If other New Zealand hams respond to your request for listeners please
don't think that I'll be upset if you choose them rather than me,
because my system is not really ideal for space applications. But if
nobody else puts up their hand, here I am :-)

73, David ZL3AI.

```
==========================================================================
David Fraser  (ZL3AI)        Ann Fraser  (ZL3TNT)
http://www.qsl.net/zl3ai     http://au.geocities.com/grapevinefm
cellphone 025-669-3179       cellphone 025-656-8239
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
map location: http://map.findu.com/ZL3AI-2          phone (03) 314-6825
                                                     PO Box 12, Waipara
Learn more about Amateur (Ham) Radio at                North Canterbury
http://www.nzart.org.nz                                     New Zealand
```

-- Arachne V1.70;rev.3, NON-COMMERCIAL copy, http://arachne.cz/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

151. [aprssig] RE: Thank you, Bob and the Bunch...

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 5 Sep 2001 14:33:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34355-2001.09.05-16.57.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have already received several requests for my PowerPoint presentation. I
expect I will receive a few more. I will send it out tomorrow.... Beware it
is almost 5 megs in size and will be a significant download... Some ISP's
such as AOL might not allow it to pass through their system because of the
size...

Joe Dorn, W5VEX, Belton, Texas

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152. [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Wed, 5 Sep 2001 18:02:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34366-2001.09.05-17.27.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

POCSAG is 512 baud or 1024 baud, some I think are 2400 baud. Not likely to
decode ax25 packets... now if you had a DIGI nearby that would do pocsag
(and the KPC3plus units do - I think), you could write an app to convert an
ISS packet to pocsag and then your pager would work... kinda the long way
around, but do-able.

Wes

----- Original Message -----
From: "Al Arnold" <aalarnold@hotmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, September 05, 2001 11:41
Subject: [aprssig] Pager crystal 144.39 in a stock pager with a APRS decoder

> Ok, so im no technical expert
>
> I have been playing around with building my own POCSAG based alphanumeric
> paging system. My desk has a bunch of pager guts on it and my computer has
> all kinds of pocsag encoder/decoder progs on it.
>
> standard POCSAG protocol and the APRS protocol are obviously different but
> have some similarities, baud, packet size... without the *Bee...DO*
> POCSAG prfix sound its hard to tell them apart by their audio sound.
>
> what i wanted to do was tune a pager to the ISS downlink freq
> and have it *beep* when it was overhead (ISS) so I could be untethered by
> all the tracking stuff. A pager that beeps when the ISS is overhead (and
> transmitting) would be a welcome addition to my shack on the belt.
> I do long distance travelling by bicycle so weight reduction is key...
> But APRS is not POCSAG or FLEX and APRS bursts do not open the squelch on
> the pager.
>
> I was also thinking that if a APRS pager could be developed, a hams
callsign
> could replace the *capcode* and we could have a APRS one way paging system
> and be *always on* with a neat-o little device.
> Standard POCSAG VHF pagers are twenty bucks new.
>
>
> To see where I am on a map, click link below:
> http://www.findu.com/cgi-bin/find.cgi?call=va3zen&radar=***
>
>
> ____
> Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp
>
>
> ---
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>
>

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153. [aprssig] PERL help needed

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Wed, 5 Sep 2001 18:16:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34373-2001.09.05-17.40.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hi,

I am attempting to extract callsigns from a flat-ASCII UI-View "snapshot"
log file, and print them to a file/screen, one after the other with a
<space> in between. Any Perl buffs out there that can write this three-liner
for me? The regex I am looking for is probably "\ [A-Z]+[0-9][A-Z]+\ " or
something similar... I am looking to run this in Perl for Windows.

Thanks,

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

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154. [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 05 Sep 2001 17:21:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34375-2001.09.05-17.44.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> > what i wanted to do was tune a pager to the ISS downlink freq
> > and have it *beep* when it was overhead (ISS) so I could be untethered by
> > all the tracking stuff. A pager that beeps when the ISS is overhead (and
> > transmitting) would be a welcome addition to my shack on the belt.
> > I do long distance travelling by bicycle so weight reduction is key...
> > But APRS is not POCSAG or FLEX and APRS bursts do not open the squelch on
> > the pager.

BTW: Compared to HTs or mobile rigs, pagers are deaf as a post.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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155. [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder

From: Rich, NØRUL <n0rul@kscable.com>
Date: Wed, 5 Sep 2001 17:51:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34379-2001.09.05-18.16.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Those pagers typically have a receiver board
mated to a decoder board inside the plastic pager.

I suppose you could build a new decoder board
to fit into the pager case and mate it to the receiver
board just like the original. The new decoder board
would need to decode AX25 packets so you might
look at the TAPR PIC TNC to get some ideas and
then layout and build your decoder board using
surface mount components. This could be difficult
but not impossible.

It might be easier to layout the entire pager using a
single chip FM receiver together with a surface mount
PIC based TNC. That way you could flash in the
receive freq and call sign similar to what you were
wanting and it would have better receiver sensitivity.

Rich, NØRUL

Hey Dave- would an ARM uProcessor be better here :-)

----- Original Message -----
Subject: [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder
> > > what i wanted to do was tune a pager to the ISS downlink freq
> > > and have it *beep* when it was overhead (ISS) so I could be untethered by
> > > all the tracking stuff. A pager that beeps when the ISS is overhead (and
> > > transmitting) would be a welcome addition to my shack on the belt.
> > > I do long distance travelling by bicycle so weight reduction is key...
> > > But APRS is not POCSAG or FLEX and APRS bursts do not open the squelch on
> > > the pager.
> BTW: Compared to HTs or mobile rigs, pagers are deaf as a post.

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156. [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder

From: Jeff King <jeff@aerodata.net>
Date: Wed, 05 Sep 2001 19:44:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34390-2001.09.05-19.06.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Al Arnold wrote:

> what i wanted to do was tune a pager to the ISS downlink freq
> and have it *beep* when it was overhead (ISS) so I could be untethered by
> all the tracking stuff.

Is a alternate making the tracking stuff smaller/lighter/less power? As you
have already seen, there are some issues with using a pager for what you
want to do. Take a look at:

http://www.bigfattail.com/pocketsat/index.html

as that might be a option.

-Jeff wb8wka

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157. [aprssig] Re: Pager crystal 144.39 in a stock pager with a APRS decoder

From: "Rich Garcia" <k4gps@arrl.net>
Date: Wed, 5 Sep 2001 20:27:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-34398-2001.09.05-20.00.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, remember paging transmitters have 150-300 watts output and
high gain antennas fed with hardline POWER is EVERYTHING! A
900 MHz paging site where I am at puts out 300 watts.

Sites are located every 8 or so miles on flat terrain so that should be
telling you something. And people still complain about lousy
coverage.

On 5 Sep 01, at 17:21, David VanHorn wrote:

>

> BTW: Compared to HTs or mobile rigs, pagers are deaf as a post.
>
>
>
> --
> Dave's Engineering Page: http://www.dvanhorn.org
>
> I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9
> here in my signature line, but due to the inability of sysadmins at
> TELOCITY to differentiate a signature line from the text of an email,
> I am forbidden to have it.
>
>
>
> ---
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> the SIG administrator: wa1lou@tapr.org
>

"We're from the government, and we're here to help you."

Rich Garcia K4GPS Ex: KA2FXA and N2CZF
k4gps@bellsouth.net
Jupiter Farms, Florida
http://www.jupiterfarmscert.org

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158. [aprssig] The ISS pager

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Wed, 05 Sep 2001 21:46:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34403-2001.09.05-21.10.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the ideas,

The premise for the pager was to just *beep* when it heard something...
anything on 145.800 (ISS VHF downlink) True the sensitivity of the average
pager is poor, but only when compared to devices designed for other
purposes. 10 uvm@12db (probably better actually) sensitivity is plenty when
the big bird is overhead and transmitting, im not trying to decode the
packets with this device. presently I use a IC-r2 with a SMA501 (miracle
baby antenna) tuned to 145.800 and with priority beep turned on, it sits on
my belt untill it picks something up. when it does it beeps... i open the
squelch and listen for the packets and decide whether to crack out the d7ag
for the pass. The miracle baby dumbs down my receiver enough (probably to
that of a pager) so that intermod is not a problem.
This has worked well for me in that I spend alot of time outdoors, I simply
wanted to replace the IC-r2 with a *one trick pony* like a cheap pager.
Anyway, Im having fun with it and learning a bit as I go along,
if anyone knows how to make a pager go "beep" when it hears "Chhrrrchc,
ahhhannndt" let me know!

73, al, va3zen

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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159. [aprssig] APRS PowerPoint presentation....

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 5 Sep 2001 21:05:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34404-2001.09.05-21.30.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a far greater response to this than I expected. THEREFORE, I am going clean it up and modify the content so that it is of a more general nature. My initial intent was to get the interest built up in the two counties north and south of me so that we would have better tracking for SKYWARN activities (the three counties involved were the ones hit by the 'Jarrell' tornado in 1997.). The screen snapshots were designed to show the tracking possibilities and specifically where additional digis were needed.

I also have several findu and aprs.net snapshots in it, with my weather station data displayed along with the maps that come with the various displays.... This caught the people's attention more than any other part of the presentation.

An interesting tidbit of info: the night I was capturing the screens I caught Steve Dimse on the way back from Key West. His pickup icon was on the highway between the Keys headed north. That is included at no additional charge.

After I get it updated, I will make it available on a couple of websites. I have no problem with unlimited usage as long as credit is given to the original author and me.

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Joe Dorn
Sent: Wednesday, September 05, 2001 2:34 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Thank you, Bob and the Bunch...

I have already received several requests for my PowerPoint presentation. I expect I will receive a few more. I will send it out tomorrow.... Beware it is almost 5 megs in size and will be a significant download... Some ISP's such as AOL might not allow it to pass through their system because of the size...

Joe Dorn, W5VEX, Belton, Texas

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160. [aprssig] Satellite Trajectory Question (APRS Honest)

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 6 Sep 2001 13:39:29 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34411-2001.09.05-23.03.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

Ok you have built a Satellite, you put it in a rocket and fire it into space.

How do you :-

1. Achieve the orbit you require
2. Make the keps meet up with real life
3. Get the timing right for spring into space
4. Correct your orbit if it is wrong
5. Fit in with all the other space junk , not hitting anythinbg man made let alone space rubble

Andrew Rich VK4TEC

Awaiting the launch of the APRS Satellite PCSat

www.users.bigpond.com/andrew.rich/index.htm

161. [aprssig] Re: Satellite Trajectory Question (APRS Honest)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 05 Sep 2001 23:20:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34418-2001.09.05-23.44.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:39 PM 9/5/01, Andrew Rich wrote:

>How do you :-
>
>1. Achieve the orbit you require

Horsepower, lots of horsepower. Math and Physics.

>2. Make the keps meet up with real life

It's the other way around. You can kinda predict the orbit of an
unlaunched satellite, but once in orbit you have to adjust the keps to deal
with reality.

>3. Get the timing right for spring into space

Really not a problem for a LEO satellite. Launch windows are primarily for
rendevous, Clark-belt orbits, and planetary shots.

>4. Correct your orbit if it is wrong

Thrusters (liquid fuel/gas/ionic), reaction wheels (aka gyroscopes),
magnetorquers. Sometimes there is no correcting for a really bad
insertion.   Hughes actually slingshotted a communications satellite around
the moon (TWICE) to put it into a useful orbit after a booster failure.

>5. Fit in with all the other space junk , not hitting anythinbg man made
>let alone space rubble

NORAD. Hope and pray. :)

http://www.spacecom.af.mil/norad/

Of course my answers are short.   Putting all the components together
requires a lot of people with backgrounds in a lot of disciplines.   In
most cases, hundreds, if not thousands, of people are involved in any
particular space shot.   You could write a book - oh yeah, that's been done...

73,

Mark
KC7BXS

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162. [aprssig] WinAPRS updates???

From: kf6qdp@amsat.org
Date: Wed, 05 Sep 2001 22:06:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34435-2001.09.06-00.30.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"More wood into the fire",

I have been reading the posts regarding the lack of WinAPRS updates. I
have been a registered user of WinAPRS for several years now. At first,
we used to receive regular updates and posts from the authors. Now,
their interventions and updates are rare.

I do understand their commitment to their jobs *but* they are/were
selling WinAPRS licenses for $60 a pop.

For this price, I consider WinAPRS a "commercial product" and I for one,

would expect updates and support. Remember, this is not "freeware" and
$60 is not chump change... especially in amateur radio circles ;-)

OK... so how did I protest about the apparent lack of commitment from
the authors? I switched applications and registered UI-VIEW (32-bit).

This is my response to the apparent loss of interest by the authors. I
am encouraging another author.

Bruno, KF6QDP/VE2EQ
Oceanside, California
Grid: DM13ie

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163. [aprssig] Re: WinAPRS updates???

From: RMckni8527@aol.com
Date: Thu, 6 Sep 2001 02:19:37 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34440-2001.09.06-01.43.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/5/01 10:08:20 PM Pacific Daylight Time, kf6qdp@amsat.org
writes:

> I do understand their commitment to their jobs *but* they are/were
> selling WinAPRS licenses for $60 a pop.
>
> For this price, I consider WinAPRS a "commercial product" and I for one,
> would expect updates and support. Remember, this is not "freeware" and
> $60 is not chump change... especially in amateur radio circles ;-)

First, I apologize to the originator of this post, I have rearranged the text
a bit to fit my responses, but I don't feel it changes the context of his
comments.

Yes, $60 is somewhat on the high side for a SHAREWARE product. But, in their
defense, this is about the same as the other "competing" APRS software. This
is specialized stuff, and the market isn't as huge as say WINZIP or a few of
the programs that have actually made profits. IF ANY SHAREWARE RECEIVES OVER
5% REGISTRATION IT IS DOING GOOD. Most are just barely keeping their authors
interest up enough to continue support and further development!

$60 not chump change? Tell me what you can buy relating to Ham Radio other
than a book or something that doesn't cost $60? Certainly not even a decent
mobile antenna, or a HT battery, microphones are now $150+ if you want it to
match your Yaesu or Icom, so I don't feel your comment is realistic. Of
course, you can always fill your shack with Radio Shack and MFJ for about
that...but they don't sell APRS software...

PLEASE, read the license agreement before you open a commercial software
package, and especially the README in any Shareware program. Generally,
shareware is "Try it BEFORE you buy it", so you usually have 30-90 days to
decide if it meets your needs and warrants the registration fee. If not,
don't use it, or use it only according to the limits of an unregistered
shareware copy, if that is an option. MOST APRS software has "free use"
options. OK, you decide $60 is too high for an APRS program, fine, work CW,
or write your own software.

> I have been reading the posts regarding the lack of WinAPRS updates. I
> have been a registered user of WinAPRS for several years now. At first,
> we used to receive regular updates and posts from the authors. Now,
> their interventions and updates are rare.

There's no guarantee of further program development. Maybe they've reached
their program's goals and don't feel any new features are warranted. Maybe
they got tired of all the bad e-mail they received about program crashes,
UE's, etc and lost motivation. They have no obligation to be the Friday the
13th series of APRS software. If they pack it in tomorrow I say a hardy
Thanks for a job well done and I'll continue to use their stuff until it is
too far outdated, then I move on.

THEY PROVIDE FREE ALMOST UNLIMITED UPDATES - try getting THAT from Microsoft,
Quicken or any other commercial product. Most commercial stuff barely gives
you a discount!

I suggest most people don't have a CLUE what it's like providing tech
support. The "there's never a stupid question" rule goes out the window.
Try answering tech support questions for awhile and you'd quit answering your
phone and responding to email too. It's no wonder "authors" get frustrated
and appear to give up.

Yes, maybe the tech support might be better, but ITS SHAREWARE. At least
they don't charge $30 just to accept your call to tell you why you can't
understand why their product doesn't work right out of the box - try calling
the company that sells ZIP drives and see how far you get for free.
>
> OK... so how did I protest about the apparent lack of commitment from
> the authors? I switched applications and registered UI-VIEW (32-bit).
>
> This is my response to the apparent loss of interest by the authors. I
> am encouraging another author.
>

BRAVO! Exercise your freedom of choice, and I hope you are satisfied with
the product. But I think you will find like most of us that NONE of the
programs are perfect, that's why many have registered several different
programs to satisfy different needs.

Nobody's getting rich from APRS software. It's just a way to stay motivated,
probably appease their wives and justify the thousands of hours spent AWAY
from their family and personal lives. You'll probably lose interest in APRS
or Ham Radio after awhile as most do. You might take a break, some of us
have been inactive for periods of 10+ years before we caught the bug again.
A lot changes. It's just a hobby. Probably 50% of the stuff I buy is
sub-standard and I'm disappointed. That's life. I have about 4 Sony VCR's
that were fantastic for about a year or 2, but ask me about them now, I've
wasted thousands on Sony's that died just after the warranty expired. ALL of
the APRS stuff has better support than any Sony I've ever owned, even
software I never registered. Go figure!

73's
Ray - WB3ABN
Kingston, WA

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164. [aprssig] Re: WinAPRS updates???

From: "Brian Frobisher" <froby@earthlink.net>
Date: Wed, 5 Sep 2001 23:30:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-34441-2001.09.06-01.54.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree, I purchased both win and mac versions and it was not cheap, they
basically have gone out of business and left us all holding the bag I guess.
----- Original Message -----
From: <kf6qdp@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, September 05, 2001 10:06 PM
Subject: [aprssig] WinAPRS updates???

> "More wood into the fire",
>
> I have been reading the posts regarding the lack of WinAPRS updates. I
> have been a registered user of WinAPRS for several years now. At first,
> we used to receive regular updates and posts from the authors. Now,
> their interventions and updates are rare.
>
> I do understand their commitment to their jobs *but* they are/were
> selling WinAPRS licenses for $60 a pop.
>
> For this price, I consider WinAPRS a "commercial product" and I for one,
> would expect updates and support. Remember, this is not "freeware" and
> $60 is not chump change... especially in amateur radio circles ;-)
>
> OK... so how did I protest about the apparent lack of commitment from
> the authors? I switched applications and registered UI-VIEW (32-bit).
>
> This is my response to the apparent loss of interest by the authors. I

> am encouraging another author.
>
> Bruno, KF6QDP/VE2EQ
> Oceanside, California
> Grid: DM13ie
>
> ---
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165. [aprssig] Re: WinAPRS updates???

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 06 Sep 2001 02:26:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34442-2001.09.06-02.51.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:19 AM 9/6/01, RMckni8527@aol.com wrote:

>I suggest most people don't have a CLUE what it's like providing tech
>support. The "there's never a stupid question" rule goes out the window.
>Try answering tech support questions for awhile and you'd quit answering your
>phone and responding to email too. It's no wonder "authors" get frustrated
>and appear to give up.

Several people who participate and monitor this SIG do just that for a living. Hmmmm. Having worked for a computer OEM, I've taken at least 9,000 inbound computer, ISP, and program related tech support calls. Plus having worked in the Executive Compliant Department made about 2500 outbound tech support and sales support calls. BTW, once you jack-in on a Lucent Callmaster III you have no choice but to answer the phone, as the calls just cycle through the queue...the second one person hangs up, there's another one on live on your headset... Try doing that 9 to 10 hours a day.

I currently own my own computer consulting and repair firm. Often times my phone starts ringing about 7AM and continues to do so until about 10 PM. Prior to this I worked for a Environmental Consulting Firm and provided techincal assistance in that field.

Does that mean that I am in the elite list of people, who in your opinion, have aquired the "right" to complain?

>Yes, maybe the tech support might be better, but ITS SHAREWARE. At least
>they don't charge $30 just to accept your call to tell you why you can't
>understand why their product doesn't work right out of the box - try calling
>the company that sells ZIP drives and see how far you get for free.

And our buddies in Roy, Utah got hammered in a class-action lawsuit for their behavior (actually more than one). Jason Rinaldi is name they'll likely never forget... OTOH, I made a lot of money off of Iomega - as I learned how to deal with their old universal driver for my clients (especially with WIN95A and old PIIX3 motherboards); plus I used to broker the chemicals that went in their Bernoulli Box repair kit. ;)

> Probably 50% of the stuff I buy is
>sub-standard and I'm disappointed. That's life. I have about 4 Sony VCR's
>that were fantastic for about a year or 2, but ask me about them now, I've
>wasted thousands on Sony's that died just after the warranty expired. ALL of
>the APRS stuff has better support than any Sony I've ever owned, even
>software I never registered. Go figure!

And you keep buying Sonys? Again, poor choice of companies to hold up to the light of customer scrutiny. Another company that's lost several class action lawsuits for failing to support their products properly (as well as price-fixing). Sony has no consumer support whatsoever and not much better with their commercial equipment. I know the owner of a large AV

firm who once chased a Sony rep out of his building with a baseball
bat.   Sony's loss is Ikegami's gain...

>There's no guarantee of further program development. Maybe they've reached
>their program's goals and don't feel any new features are warranted. Maybe
>they got tired of all the bad e-mail they received about program crashes,
>UE's, etc and lost motivation. They have no obligation to be the Friday the
>13th series of APRS software. If they pack it in tomorrow I say a hardy
>Thanks for a job well done and I'll continue to use their stuff until it is
>too far outdated, then I move on.

Back to the point:

The problem here is that the Sprouls keep asserting that they are still
actively developing the software and that they still actively answering
email and addressing bug reports -- despite actions contrary to those
assertions. No one would be complaining (too much) if they said they can
no longer support the product due to time or family
constraints. Especially if they turned over development to someone else.

73,

Mark
KC7BXS

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166. [aprssig] RE: Thank you, Bob and the Bunch...

From: <henk.de.groot@hetnet.nl>
Date: Thu, 6 Sep 2001 12:19:06 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34447-2001.09.06-05.43.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Joe,

Can you put it on a web site and send a link instead? I think that will keep the dail-up users happy
too. I would not be too happy to have 5 Mb in my mailbox - I think the total mailbox space at my
provider is only 5 Mb so this would fill it up instantly. Still I think sharing your presentation is a
very good idea! Don't let this message keep you from it, I only propose a different distribution method.

Keep up the good work, kind regards,

Henk.

-----Original Message-----
From: "bounce-aprssig-18892@lists.tapr.org" <bounce-aprssig-18892@lists.tapr.org> on behalf of
"Joe Dorn" <joedorn@stonemedia.com>
Sent: Wednesday, September 05, 2001 9:33 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] RE: Thank you, Bob and the Bunch...

I have already received several requests for my PowerPoint presentation. I
expect I will receive a few more. I will send it out tomorrow.... Beware it
is almost 5 megs in size and will be a significant download... Some ISP's
such as AOL might not allow it to pass through their system because of the
size...

Joe Dorn, W5VEX, Belton, Texas

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167. [aprssig] RE: Thank you, Bob and the Bunch...

From: "smorris" <smorris@mindspring.com>
Date: Thu, 6 Sep 2001 07:25:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34454-2001.09.06-06.50.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you need a site to store it, let me know.

Scott
----- Original Message -----
From: <henk.de.groot@hetnet.nl>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 06, 2001 6:19 AM
Subject: [aprssig] RE: Thank you, Bob and the Bunch...

Hello Joe,

Can you put it on a web site and send a link instead? I think that will keep the dail-up users happy too. I would not be too happy to have 5 Mb in my mailbox - I think the total mailbox space at my provider is only 5 Mb so this would fill it up instantly. Still I think sharing your presentation is a very good idea! Don't let this message keep you from it, I only propose a different distribution method.

Keep up the good work, kind regards,

Henk.

-----Original Message-----
From: "bounce-aprssig-18892@lists.tapr.org"
<bounce-aprssig-18892@lists.tapr.org> on behalf of "Joe Dorn"
<joedorn@stonemedia.com>
Sent: Wednesday, September 05, 2001 9:33 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] RE: Thank you, Bob and the Bunch...

I have already received several requests for my PowerPoint presentation. I expect I will receive a few more. I will send it out tomorrow.... Beware it is almost 5 megs in size and will be a significant download... Some ISP's such as AOL might not allow it to pass through their system because of the size...

Joe Dorn, W5VEX, Belton, Texas

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168. [aprssig] Re: WinAPRS updates???

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Thu, 6 Sep 2001 6:41:41
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34455-2001.09.06-07.05.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I feel that if the authors have lost interest, don't have the time, or whatever, then put the source into the public domain and let others pick up where they left off. Although I am new to APRS, I also picked up UI-VIEW and it is becoming more and more the program I use all the time. $15 registration fee, very reasonable, and you can register via the web and get a serial number within hours - not the snail mail registration option like we have with the US developed products. There are updates and new features on a frequent basis. I am also considering APRS+. The problem I have with all the programs (other than UI-VIEW) is that you cannot really evaluate them with purchase. Yes you can enter the data and set up the program with each use, but that's a pain. WinAPRS is not bad, but APRS+ has too much to set up and learn and so far I cannot get it to work with Street Atlas so I am hesitate to purchase until I do. In summary, put WinAPRS source in the public domain. Maybe someone else can get it to work with Precision Mapping 4.0 (the only real maps I have).

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169. [aprssig] uiview/Ultimeter II/weather display software

From: "Bob" <w2g3zfj@optonline.net>
Date: Thu, 6 Sep 2001 09:25:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34464-2001.09.06-08.49.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks

Thanks to a tip from Adam G1UAF, I now have my Ultimeter
II/UIview/weather-display, system running and it seems to work at least
locally on VHF. On my D700 this morning whilst mobile I received the wx
broadcast and aside from a wind direction of 519 degrees (!) it was correct.

However, I notice on the internet that UIView does not appear to be sending
a wx string, the icon is correct but no wx data. I checked both with findu
and winaprs and the same results.

Is there something else I have to set up to send wx data via the Internet?

TIA

bob w2/g3zfj

station g3zfj

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170. [aprssig] Telemetry Problem

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Thu, 6 Sep 2001 09:51:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34475-2001.09.06-09.12.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a group of sensors that I'd like to be able to send their data over a
limited area APRS "network"....

The format of the sensor data is:

DDMMMYY HH:MM:SS #### #<cr>

where the first group of #### is the sensor number - and the last # is
information about the sensor value....

I can control the speed of the sensor data... (both RS232 speed as well as
the number of activations in a given time period)

The question is... advice is solicited about how to make a KPC3+ or TNC2
accept this data as a surrogate for GPS data.... without placing a PIC or
other device between the sensor unit and the TNC's...

Any help or advice is appreciated... and I'll probably be bringing the stuff
to DCC....

Aloha
AH6LS

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171. [aprssig] Re: PERL help needed

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Thu, 6 Sep 2001 10:20:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34482-2001.09.06-09.44.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks all... I got various solutions suggested. I will summarize them
below.
What do I want to do with it? Well-- here it is. I am running 2 instances of
UI-View at home, at the same computer. One is used for BEACONet^31, and one
is 144.39 APRS. I want to implement a tool that allows people to use the

APRS instance to query which stations are heard by the BEACONet^31 instance.
The way this would work is this:
1) send a message to me (PA3EUG) with "?BEACONET" in the body
2) PA3EUG will answer with a list of stations in 1 or more messages: "AA0AA
AB1BB AC1CC AD2DD" etc.
3) someone could then send a message with "?BEACONET AA0AA" in the body
4) PA3EUG will answer with a message like: "AA0AA [KN12WN] 3173.5km 52deg
Sep 05 14:59 16:48"
    (format: "callsign [LOCATOR] distance angle date 1st time_1st_hrd
time_last_hrd")

My UIView log file contains lines of text (ASCII) with the following info:
 AA0AA*   Grid Squ.   [KN12WM]   3173.5   52   Sep 05 17:59
and a "new" log is appended every so-often (can be defined in 1 minutes
increments).

UIView allows you to implement commands rather easy: you just put some
windows executable file (.EXE, .COM, .BAT, etc.) in the RCOMMAND directory,
and it will run it.

The more I am thinking about this, the better it looks to just write a VB or
maybe plain-C program that handles all this instead of PERL. That makes it
easier for other people to deploy as well.

Thanks again for all that helped!

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

David Nesting david@fastolfe.net wrote a solution that includes SSID's:
undef $/;
$_ = <STDIN>;

print join(" ", /\b([A-Z]+\d[A-Z]+(?:\-\d+)?)/g);

Jeremiah K. Oeltjen kb0off@arrl.net, wrote:
#!/usr/bin/perl -w
while (<>){
print "$1\n" while m/([[:alpha:]]{1,2}\d{1}[[:alpha:]]{1,3})/g;
}

----- Original Message -----
From: "Ramon F. Kolb" <ramon@ieee.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, September 05, 2001 18:16
Subject: [aprssig] PERL help needed

> hi,
>
> I am attempting to extract callsigns from a flat-ASCII UI-View "snapshot"
> log file, and print them to a file/screen, one after the other with a
> <space> in between. Any Perl buffs out there that can write this
three-liner
> for me? The regex I am looking for is probably "\ [A-Z]+[0-9][A-Z]+\ " or
> something similar... I am looking to run this in Perl for Windows.
>
> Thanks,
>
> --Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
> Join BEACONET^31 at 28.131! See http://go.to/BEACONet
>
>
> ---
> You are currently subscribed to aprssig as: ramon@ieee.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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172. [aprssig] One GPS, two serial ports?

From: Phil Reed <preed@dnaco.net>
Date: Thu, 06 Sep 2001 11:25:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34492-2001.09.06-10.55.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there some reasonable way to use a single GPS to feed two different
serial inputs? I'd like to send serial data from either a Garmin or a Holux
GPS to both a stand-alone tracker and a PC running Street Atlas. I could
just daisy-chain the serial ports I suppose, but I was wondering if there
is a more elegant or technically correct method.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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173. [aprssig] Re: One GPS, two serial ports?

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 06 Sep 2001 15:40:28 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34495-2001.09.06-11.04.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Phil Reed <preed@dnaco.net> wrote:

>Is there some reasonable way to use a single GPS to feed two different
>serial inputs?

Yes. You should be able to connect the RX pins together on each
serial port and feed the GPS to each of those pins. GPS is mostly
a "talker". The only thing you need to insure is that the baud
rate is the same in each program (typically 4800 baud) and that
only one program can talk to the GPS (just hook the TX pin up from
one of the serial ports). I suspect the PC atlas might want to talk
to the GPS where as the tracker won't care, if that helps you decide.

Good luck

-Jeff

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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174. [aprssig] APRS+SA Maps

From: "gungho" <gungho@cabarrus.com>
Date: Thu, 6 Sep 2001 12:42:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34508-2001.09.06-12.03.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For two weeks now I have ask the question. How do you keep the same map
when using APRS+SA when using Enable Tracking. I am using D700a with GPS
315, I have disabled the Update in seconds and nothing else is checked in
Track Tab. Does anyone have the answer. I can't find anything to explain
this problem. John W4DCR

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175. [aprssig] Re: APRS+SA Maps

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Thu, 6 Sep 2001 12:37:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34522-2001.09.06-13.04.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> For two weeks now I have ask the question. How do you keep the same map
> when using APRS+SA when using Enable Tracking. I am using D700a with GPS
> 315, I have disabled the Update in seconds and nothing else is checked in
> Track Tab. Does anyone have the answer. I can't find anything to explain
> this problem. John W4DCR

John,

I am not sure I understand your question, but I will try to answer it as
I understand it. What do you mean by keeping the same map? Do
you mean keeping the map centered on you?

On the MAPS tab make sure the Enabled box is not checked at the top
and center of the page. The enables/disables the map redraw timer for
the maps you have selected in the box beneath it.

On the MAPS tab make sure the Track Me Enabled box is not checked.

On the TRACK tab, I only have the ENABLE TRACKING box selected.

Using these configurations with APRS+ version 200ZG, my map does
not update and it stays on the same map all the time. Of course, with
these settings your map will never update either if that is what you want.

What does your system do that you think it should not be doing?

73's,

Tim - N8DEU
Huntsville, Alabama

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176. [aprssig] Re: Satellite Trajectory Question (APRS Honest)

From: Stephan Greene <sgreene@patriot.net>
Date: Thu, 6 Sep 2001 15:35:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34531-2001.09.06-14.59.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 5 Sep 2001, Mark Fellhauer wrote:

> At 10:39 PM 9/5/01, Andrew Rich wrote:
>
> >How do you :-
> >
> >2. Make the keps meet up with real life
>
> It's the other way around. You can kinda predict the orbit of an
> unlaunched satellite, but once in orbit you have to adjust the keps to deal
> with reality.

Yep. We actually weren't too far off with the AO-27 launch, but there's
sufficient uncertainties to make real keps preferable as soon as possible
after launch.

> >3. Get the timing right for spring into space
>
> Really not a problem for a LEO satellite. Launch windows are primarily for

> rendevous, Clark-belt orbits, and planetary shots.

Yes, and it depends on the payloads. Earth Observation satellites may
need lighting conditions best obtained by launching at a specific time.
Example - the Spot satellites many amateur payloads launched with.

> >4. Correct your orbit if it is wrong
>
> Thrusters (liquid fuel/gas/ionic), reaction wheels (aka gyroscopes),
> magnetorquers. Sometimes there is no correcting for a really bad
> insertion.   Hughes actually slingshotted a communications satellite around
> the moon (TWICE) to put it into a useful orbit after a booster failure.

It was quite a feat, too. Reaction wheels, magnetorquers can only affect
spacefraft attitude. You need something that can produce a thrust, not a
moment, to affect the orbit.

> >5. Fit in with all the other space junk , not hitting anythinbg man made
> >let alone space rubble
>
> NORAD. Hope and pray. :)

Yes. NORAD often has problems correctly identifying secondary payloads
from multiple launches, such as various amatuer satellites. The satellite
operators help with observations of which element set seems to have the
best fit, plus we can produce our own sets by various means.

> Of course my answers are short.   Putting all the components together
> requires a lot of people with backgrounds in a lot of disciplines.   In
> most cases, hundreds, if not thousands, of people are involved in any
> particular space shot.   You could write a book - oh yeah, that's been done...

While the team for a small amateur satellite can be ratehr small, the
total organization needed to build and qualify all the payloads, build and
prepare the launcher, and conduct the launch is often a small army.

73
Steve KA1LM

Stephan A. Greene   sgreene@patriot.net   ka1lm@amsat.org

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177. [aprssig] Re: Satellite Trajectory Question (APRS Honest)

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 6 Sep 2001 04:50:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34537-2001.09.06-15.50.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark, you forgot to add "get state department export permit" to the list
(although I know Andrew is "across the pond"). Doesn't the US state
department have jurisdiction over there? Ohh... sorry, that was the other
way around, and 225 years ago... lol.

Wes

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 06, 2001 00:20
Subject: [aprssig] Re: Satellite Trajectory Question (APRS Honest)

> At 10:39 PM 9/5/01, Andrew Rich wrote:
>
> >How do you :-
> >
> >1. Achieve the orbit you require
>
> Horsepower, lots of horsepower. Math and Physics.
>
> >2. Make the keps meet up with real life

>
> It's the other way around. You can kinda predict the orbit of an
> unlaunched satellite, but once in orbit you have to adjust the keps to
deal
> with reality.
>
> >3. Get the timing right for spring into space
>
> Really not a problem for a LEO satellite. Launch windows are primarily
for
> rendevous, Clark-belt orbits, and planetary shots.
>
> >4. Correct your orbit if it is wrong
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> Thrusters (liquid fuel/gas/ionic), reaction wheels (aka gyroscopes),
> magnetorquers. Sometimes there is no correcting for a really bad
> insertion.   Hughes actually slingshotted a communications satellite
around
> the moon (TWICE) to put it into a useful orbit after a booster failure.
>
> >5. Fit in with all the other space junk , not hitting anythinbg man made
> >let alone space rubble
>
> NORAD. Hope and pray. :)
>
> http://www.spacecom.af.mil/norad/
>
> Of course my answers are short.   Putting all the components together
> requires a lot of people with backgrounds in a lot of disciplines.   In
> most cases, hundreds, if not thousands, of people are involved in any
> particular space shot.   You could write a book - oh yeah, that's been
done...
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
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>
>

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178. [aprssig] Re: One GPS, two serial ports?

From: Earl Needham <needhame@yucca.net>
Date: Thu, 06 Sep 2001 14:53:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34542-2001.09.06-16.17.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:25 AM 9/6/2001 -0400, Phil Reed wrote:
>Is there some reasonable way to use a single GPS to feed two different
>serial inputs? I'd like to send serial data from either a Garmin or a
>Holux GPS to both a stand-alone tracker and a PC running Street Atlas. I
>could just daisy-chain the serial ports I suppose, but I was wondering if
>there is a more elegant or technically correct method.

         If the PC has TWO serial ports, connect the GPS to one and the TNC
to the other and run regular APRS software. That makes for a slick
installation...

         7 3
         Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't

figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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179. [aprssig] Re: PERL help needed

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Fri, 7 Sep 2001 08:15:17 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34562-2001.09.06-17.39.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Sep 06, 2001 at 10:20:20AM -0400, Ramon F. Kolb wrote:
> My UIView log file contains lines of text (ASCII) with the following info:
> AA0AA*   Grid Squ.   [KN12WM]   3173.5   52   Sep 05 17:59
> and a "new" log is appended every so-often (can be defined in 1 minutes
> increments).

Which part do you want? Just the callsign?

> print join(" ", /\b([A-Z]+\d[A-Z]+(?:\-\d+)?)/g);
> print "$1\n" while m/([[:alpha:]]{1,2}\d{1}[[:alpha:]]{1,3})/g;

How about

```
while (<>) {
    split(" ");
    print "$_[0] ";
}
print "\n";
```

No need for all of the regexps for a simple space-delimited line.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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180. [aprssig] Need Precision Mapping CD

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Thu, 6 Sep 2001 19:26:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34591-2001.09.06-19.50.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks I bought the Precision Mapping CD version 4.0 which of course does
not work with WinAPRS. I believe I need 3.0 or 3.5 and Precision Mapping
will not sell it anymore (I called them). I have also looked at numerous RS
stores and can't find it there either. Someone was going to send me a copy
of 3.0 or 3.5 but it never arrived and the e-mail was deleted so I don't
know how to follow up with that person. If anyone can cut me a copy onto a
CD and send it to me, I would be more than glad to pay the cost of creating
and shipping it to me. Please send it to my callbook address with a note
on how much I owe you and an address to send payment.

Thanks,

Duffy - WB8NUT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

181. [aprssig] Re: Need Precision Mapping CD

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Thu, 6 Sep 2001 20:39:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-34598-2001.09.06-21.05.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Folks I bought the Precision Mapping CD version 4.0 which of course does
> not work with WinAPRS. I believe I need 3.0 or 3.5 and Precision Mapping
> will not sell it anymore (I called them). I have also looked at numerous
RS
> stores and can't find it there either. Someone was going to send me a
copy
> of 3.0 or 3.5 but it never arrived and the e-mail was deleted so I don't
> know how to follow up with that person. If anyone can cut me a copy onto a
> CD and send it to me, I would be more than glad to pay the cost of
creating
> and shipping it to me. Please send it to my callbook address with a note
> on how much I owe you and an address to send payment.

Good Luck!

I have never been able to find Precision Mapping by Chicago Map Corp.
This is the main reason I have never spent much time playing with
WinAPRS.

Last weekend I stopped by Radio Shack and found the Precision Street
Maps USA by Cosmi Corp. It is not the Precision Mapping by Chicago
Map but it will work with a little help that I found on a web page. The map
looks nice but it is way out of date on streets in my area that have been
here for about 5-15 years. Regardless, it looks much better and I have
spent a lot of time playing with it this week to get some more slides made
for a presentation contrasting the different software packages.

I just need to get the counties to light up with weather activity that is
posted
but I have yet to get that working.

Check the Radio Shack stores in your area. They should have the
Precision Street Maps USA. If not, there are several around here that
have them and I could grab one for you. They must be selling out of
the last they have in stock, because it is not available online.

73's,

Tim - N8DEU
Huntsville, Alabama

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182. [aprssig] Re: Need Precision Mapping CD

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 06 Sep 2001 21:01:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34606-2001.09.06-21.24.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I just need to get the counties to light up with weather activity that is
>posted but I have yet to get that working.

AFAIK, it dosen't work on PM maps. Damifino why, because you can overlay
in windows video.
It only works on the sorts of maps that come with it, which are limited,
and don't "flow" well when traveling.

(Why does it always seem that we can have 8/10 of anything working...?)

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

183. [aprssig] Re: Need Precision Mapping CD

From: Jeff King <jeff@aerodata.net>
Date: Thu, 06 Sep 2001 22:09:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34607-2001.09.06-21.31.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"J.Duffy Beischel" wrote:
>
> Folks I bought the Precision Mapping CD version 4.0 which of course does
> not work with WinAPRS. I believe I need 3.0 or 3.5 and Precision Mapping
> will not sell it anymore (I called them).

It is within the Sproul's licensing agreement to be able to sell the data disks.
If they can't help everyone here, I can check with PM to see what they would
charge me to resell the version 3.5 disks to hams (I have a PM license).

But check with the Sproul brother's first.

73

Jeff wb8wka

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

184. [aprssig] Re: Need Precision Mapping CD

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 06 Sep 2001 21:15:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34608-2001.09.06-21.38.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:09 PM 9/6/01 -0400, Jeff King wrote:

>"J.Duffy Beischel" wrote:
> >
> > Folks I bought the Precision Mapping CD version 4.0 which of course does
> > not work with WinAPRS. I believe I need 3.0 or 3.5 and Precision Mapping
> > will not sell it anymore (I called them).
>
>It is within the Sproul's licensing agreement to be able to sell the data
>disks.
>If they can't help everyone here, I can check with PM to see what they would
>charge me to resell the version 3.5 disks to hams (I have a PM license).

Interesting..

In all fairness to the Sprouls, I suppose we could walk into DCC, and be
surprised by version 3.0, with major fixes, data spider support etc.. I
live in hope.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

185. [aprssig] Re: Need Precision Mapping CD

From: Jeff King <jeff@aerodata.net>
Date: Thu, 06 Sep 2001 22:30:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34609-2001.09.06-21.52.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:
>
> At 10:09 PM 9/6/01 -0400, Jeff King wrote:

> >It is within the Sproul's licensing agreement to be able to sell the data
> >disks.
> >If they can't help everyone here, I can check with PM to see what they would
> >charge me to resell the version 3.5 disks to hams (I have a PM license).
>
> Interesting..
>
> In all fairness to the Sprouls,

Before I get pulled into another off-topic holy gihad, I need to make clear I
was just stating the terms of my licensing agreement, the Sproul's deal may be
different, but I suspect not, or at least it allows them to sell the data
disks.

Just ask.

-Jeff wb8wka

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186. [aprssig] WinAPRS site

From: "Chris Rose" <kb8uih2@home.com>
Date: Thu, 6 Sep 2001 23:21:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34615-2001.09.06-22.39.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://aprs.rutgers.edu/

Is this the correct site for the Sprouls' WinAPRS files? If so, I haven't
been able to make it work for a couple of days.

Anyone have same trouble? If not, am I in error about the URL?

Thanks

Chris
KB8UIH

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187. [aprssig] Re: WinAPRS site

From: "Brian Frobisher" <froby@earthlink.net>
Date: Thu, 6 Sep 2001 20:19:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-34616-2001.09.06-22.43.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They must have something funky setup there, I can never get that page to
work.

Others claim success, but I cannot get to it from home on Mac/PC or at work.

Not sure what is up.

----- Original Message -----
From: "Chris Rose" <kb8uih2@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 06, 2001 8:21 PM
Subject: [aprssig] WinAPRS site

> http://aprs.rutgers.edu/
>
> Is this the correct site for the Sprouls' WinAPRS files? If so, I haven't
> been able to make it work for a couple of days.
>
> Anyone have same trouble? If not, am I in error about the URL?
>
> Thanks
>
> Chris
> KB8UIH
>
>
>
>
> ---
> You are currently subscribed to aprssig as: froby@earthlink.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

188. [aprssig] RE: WinAPRS site

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Thu, 6 Sep 2001 22:20:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34617-2001.09.06-22.47.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Same here. Tried it last night, but was unable to get there. Eventually came
up and said that it was unable to find the server. Don't know what's up. If
you are just trying to get WinAPRS, try the TAPR Site.
ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS.
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
AHubIN APRS Internet Server - http://kb9uqq.d2g.com

-----Original Message-----
From: bounce-aprssig-19450@lists.tapr.org
[mailto:bounce-aprssig-19450@lists.tapr.org]On Behalf Of Chris Rose
Sent: Thursday, September 06, 2001 10:22 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] WinAPRS site

http://aprs.rutgers.edu/

Is this the correct site for the Sprouls' WinAPRS files? If so, I haven't
been able to make it work for a couple of days.

Anyone have same trouble? If not, am I in error about the URL?

Thanks

Chris
KB8UIH

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_____

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189. [aprssig] Re: WinAPRS updates???

From: Skip Allison <sallison@megsinet.net>
Date: Thu, 06 Sep 2001 23:07:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34623-2001.09.06-23.35.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"J.Duffy Beischel" wrote:
>
> where they left off. Although I am new to APRS, I also picked up UI-VIEW
> and it is becoming more and more the program I use all the time. $15

What maps does UI-VIEW use?

> all the programs (other than UI-VIEW) is that you cannot really evaluate
> them with purchase. Yes you can enter the data and set up the program with

Why can't you evaluate them? They do about everything as shareware
except
remember the setup.

> each use, but that's a pain. WinAPRS is not bad, but APRS+ has too much to
> set up and learn and so far I cannot get it to work with Street Atlas so I

It should work with Street Atlas - that's what it was written for.
There's
nothing you really have to do to get it to work. It's like falling off
a
log. What's it doing? Or not doing?

> am hesitate to purchase until I do. In summary, put WinAPRS source in the
> public domain. Maybe someone else can get it to work with Precision Mapping
> 4.0 (the only real maps I have).

I'd like to see it work with PM 4 too. I have PM 3.0 and the maps are
terrible.
I hope the 4.0 maps are better. The big problem, though, is that I
heard
Chicago Mapping went out of business - so it doesn't look like we'll see
any more updates to PM. I expect 4.0 will be well out of date before
it's
supported.

Skip
K9SA

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190. [aprssig] Re: WinAPRS updates???

From: Bob Nielsen <nielsen@oz.net>
Date: Thu, 6 Sep 2001 22:33:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34645-2001.09.07-00.57.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Sep 06, 2001 at 06:41:41AM +0000, J.Duffy Beischel wrote:
> I feel that if the authors have lost interest, don't have the time, or
> whatever, then put the source into the public domain and let others pick up
> where they left off. Although I am new to APRS, I also picked up UI-VIEW
> and it is becoming more and more the program I use all the time. $15
> registration fee, very reasonable, and you can register via the web and get
> a serial number within hours - not the snail mail registration option like
> we have with the US developed products. There are updates and new features
> on a frequent basis. I am also considering APRS+. The problem I have with
> all the programs (other than UI-VIEW) is that you cannot really evaluate
> them with purchase. Yes you can enter the data and set up the program with
> each use, but that's a pain. WinAPRS is not bad, but APRS+ has too much to
> set up and learn and so far I cannot get it to work with Street Atlas so I
> am hesitate to purchase until I do. In summary, put WinAPRS source in the
> public domain. Maybe someone else can get it to work with Precision Mapping
> 4.0 (the only real maps I have).

Another alternative you might consider is Xastir, which has no
registration fee. It is not public domain, but is open source released
under the GNU Public License. The disadvantage for some (and advantage
for others) is that it operates under Linux rather than a Microsoft
product. It has the capability of using a wide variety of maps and
recently the ability to download USGS tiger maps has been added (not in
the released version yet). See http://www.xastir.org.

Bob, N7XY

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191. [aprssig] RE: WinAPRS updates???

From: "Bob D." <n2iph@eticomm.net>
Date: Fri, 7 Sep 2001 05:12:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34655-2001.09.07-04.37.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why is it that most people seem to expect free updates for life from
software products? This is providing the software was not
advertised/sold with "free updates for life".

If you bought a new piece of hardware for $60 and 3 years later the
manufacturer came out with an updated version of the same hardware would
you (or have you) received a free update? I think not. And if you asked
they would laugh you off the face of the earth.

If you bought a new PC right now that came with Win2K installed (with <
45 days till the release of WinXP), do you think you would get a 'free'
upgrade to the new OS on October 25th, guess again because you won't.
You will need to add about $179.00 to 'update' your OS to WinXP.

Case in point: I bought a Casio E-105 Palm-size PC when they first came
out. Less than a year later the E-115 arrived on the scene. A trade-up
program was offered but it saved you very little (about $150). Should I
have expected Casio to take my E-105 back and give me a E-115 no charge?
The only significant difference was they 'updated' the processor to a
faster one and supplied a newer (again an update) version of WinCE.

If the version of the software works 'as advertised' for the time when
it was purchased then what is your beef? If it does not then you I think
are entitled to some sort of fix or patch to restore full functionality
to the software.

In 2010 do you still expect the brothers Sproul (or any of the other
APRS version authors) to be handing out free updates to their software?

Bob D.
N2IPH

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192. [aprssig] RE: WinAPRS updates???

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 07 Sep 2001 05:04:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34657-2001.09.07-05.30.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:12 AM 9/7/01, Bob D. wrote:

>Why is it that most people seem to expect free updates for life from
>software products? This is providing the software was not
>advertised/sold with "free updates for life".

Again, you've MISSED THE POINT. People are responding to PROMISES made by the brothers Sproul. And that is that they were intending on following up a very long dry spell with no updates at all with a succession of several updates. Look back to the original post that started this thread.

Furthermore they've stated emphatically that they respond to any and all private email adressing concerns and updates; and again, actions speak louder than words. I have asked both Brothers here and CC'ed them privately about screen formatting issues and the AGWPE gating issue and have NEVER received a response from them on either matter. Not even a response that they received my email. I even inquired about whether the BUG REPORT feature works in WinAPRS. It appears that if you fill out the bug report form and hit send it gets sent to oblivion, because I have never received a response after using that feature. I am not the only person to have noticed that email and bug reports go unacknowledged and unfixed...

And If a large software (or computer hardware) company PROMISED me free updates, support, or other consideration for life (or x number of years), and they were still around and in business, I'd expect them to HONOR that promise. Especially if they kept re-iterating that promise.

I'm not trying to beat up on the Sprouls. I like WinAPRS, I use WinAPRS, I registered APRS. But people here have a legit beef. If you spend 45 minutes writing up a detailed bug report and send it off to the author of a piece of software, especially when that author ASKS for bug reports, and you don't even get a follow up response like, "thanks for the bug report, we're aware of these issues and are working on them..." It gets very frustrating.

I once made the mistake of stating on this SIG that the authors of APRS software should not be picked on too much, because they are not professional software designers/developers. Boy, did I get an earful (screenful) of responses to that by several of the APRS app developers... Well, if you are a professional software developer, how hard is it to set up a bug report mailbox that autoresponds to bug report submissions, if you are too busy to respond to each and every one in person?

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

193. [aprssig] Re: WinAPRS updates???

From: Earl Needham <needhame@yucca.net>
Date: Fri, 07 Sep 2001 05:14:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34664-2001.09.07-06.39.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:41 AM 9/6/2001 +0000, J.Duffy Beischel wrote:
><snip>
>In summary, put WinAPRS source in the public domain. Maybe someone else
>can get it to work with Precision Mapping
>4.0 (the only real maps I have).

Why don't you suggest that Microsoft put the Windows 98 source code in the public domain and perhaps someone else can get it to work? I mean, WinAPRS BELONGS to the Sprouls, you're asking them to give personal property away.

I can tell you that a MAJOR problem with WinAPRS is so many people asking for this feature, and that feature, and an icon for everything they

can think of. The Sprouls have tried to accommodate most requests, but
with so much going on, it seems inevitable (to me) that something's not
going to work right. Everything I try to do with it is pretty good, but
then, I don't use it with a weather station, don't normally use it with
GPS, etc...

         7 3
         Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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194. [aprssig] Re: Need Precision Mapping CD

From: Michael Martens <kb9vbr@yahoo.com>
Date: Fri, 7 Sep 2001 06:23:15 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34676-2001.09.07-08.47.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've found copies of the Precision Street Maps by
Cosmi floating around at a couple of hamfests for
$5.00 each. I've also seen them in the cutout bins at
Officemax for around $3.00. They're still out there,
but you have to look around for them.

Precision Street maps 3.0 and it derivitives are very
outdated. They are using USGS data from 1991. In my
area we have lots of residential streets and an entire
bypass that isn't on the Precision Maps. I guess its
better than nothing.

Michael
KB9VBR

--- "J.Duffy Beischel" <wb8nut@arrl.net> wrote:
> Folks I bought the Precision Mapping CD version 4.0
> which of course does
> not work with WinAPRS. I believe I need 3.0 or 3.5
> and Precision Mapping
> will not sell it anymore (I called them). I have
> also looked at numerous RS
> stores and can't find it there either. Someone was
> going to send me a copy
> of 3.0 or 3.5 but it never arrived and the e-mail
> was deleted so I don't
> know how to follow up with that person. If anyone
> can cut me a copy onto a
> CD and send it to me, I would be more than glad to
> pay the cost of creating
> and shipping it to me. Please send it to my
> callbook address with a note
> on how much I owe you and an address to send
> payment.
>
> Thanks,
>
> Duffy - WB8NUT
>

_____
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195. [aprssig] Re: WinAPRS updates???

From: "Kris Rice" <kris@jokr.net>
Date: Fri, 7 Sep 2001 06:28:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34683-2001.09.07-08.56.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a thought. If everyone thinks winAPRS should be open
sourced, why doesn't someone start an open source project. Or start
working on the porting of xastir to windows

-Kris Rice
-N1JLX

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196. [aprssig] Re: Need Precision Mapping CD

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 7 Sep 2001 09:38:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34684-2001.09.07-08.59.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To give you an idea of the problem... USGS updates occur at maybe five year
intervals... then it has to be converted to Tiger data (that most of the CD
Map folks use as a source)... guess what... often USGS relies upon State
Transportation information... and unfortunately many States ONLY keep their
data in an Engineering Design format.... which is NOT a mapping format but
rather a design format.... so that data has to be converted.... to add
insult to the process... many States only do State roads... so Municipal
(city/town) and County/Township/Parrish roads... aren't even a part of the
process...

If you follow the GIS scene... it's a mess... and there are NO NATIONAL
STANDARDS for keeping this data... and even what there is... has
problems.... I know of one state that has an 8 person section to just
resolve problems about road mismatches at county and state lines... the
roads mismatch (not to mention where the heck the county lines are -
mismatch) by hundreds of meters....

Then there are the datum issues.....

Finally.... sadly.... guess how quality control is done on the resultant
information.... OFT TIMES THERE IS NO in-situ QUALITY CONTROL.... all it
would take is driving around with a GPS to make it better... but that's lots
of time and gas $$$....

So, while lots of commentary here about the out of date CD's.... and a real
issue it is with APRS.... (and FORGET some of the home made stuff I've seen
on DOSAPRS.... the few times I've shown folks the segmentation there...
they've walked away from the demo even).... the reality is no standards
for gathering... no pressure to gather data in many rural areas... often
little or no interest in getting the data.. and less interest to "give it
away" on the part of many public agencies....

The sad thing is that some of the maritime GPS CHART Chips.... are far
better than anything on CD.... but then again.... those roads don't change
very often ;)

> -----Original Message-----
> From: Michael Martens [SMTP:kb9vbr@yahoo.com]
> Subject: [aprssig] Re: Need Precision Mapping CD
>
> outdated. They are using USGS data from 1991. In my
> area we have lots of residential streets and an entire
> bypass that isn't on the Precision Maps. I guess its
> better than nothing.
>

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197. [aprssig] Re: Need Precision Mapping CD

From: Bill Diaz <billdiaz@megsinet.net>
Date: Fri, 7 Sep 2001 09:03:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34687-2001.09.07-09.28.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Michael,
 PM 3.x uses 1997 Tiger files.

Bill KC9XG

On Friday, September 07, 2001 8:23 AM, Michael Martens [SMTP:kb9vbr@yahoo.com] wrote:
SNIP
> Precision Street maps 3.0 and it derivitives are very
> outdated. They are using USGS data from 1991. In my
> area we have lots of residential streets and an entire
> bypass that isn't on the Precision Maps. I guess its
> better than nothing.
>
> Michael
> KB9VBR
>

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198. [aprssig] Need Precision Mapping CD

From: wstrong@cse.l-3com.com
Date: Fri, 7 Sep 2001 10:55:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34698-2001.09.07-10.19.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the address of the website that tells how to use the Cosmi (Radio
Shack) Precision Street Maps with Win APRS?

Thanks,
Bill
N2VRG

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199. [aprssig] Re: Precision Street Maps USA CD-ROM and WinAPRS

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Fri, 7 Sep 2001 10:08:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Special Interest Group" <aprssig@tapr.org>
Message-ID: <LYR842-34702-2001.09.07-10.34.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> Could you send me the web page address with information about using
> the Radio Shack CDROM?

http://www.rayvaughan.com/winaprs.htm

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200. [aprssig] Re: Need Precision Mapping CD

From: Michael Martens <kb9vbr@yahoo.com>
Date: Fri, 7 Sep 2001 08:11:53 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34703-2001.09.07-10.35.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry about that. What you want to look for are the
mapping programs from Cosmi or Swift with the word
"Precision" in their name. They are not quite Chicago
Map Corp Precision Maps, but they will work with
modification, in WinAPRS. I've seen them at hamfests
for about $5.00

Here's the link on how to make the modification:

http://www.rayvaughan.com/winaprs.htm

--- Bill Diaz <billdiaz@megsinet.net> wrote:
> Michael,
> PM 3.x uses 1997 Tiger files.
>
> Bill KC9XG
>
> On Friday, September 07, 2001 8:23 AM, Michael
> Martens [SMTP:kb9vbr@yahoo.com] wrote:
> SNIP
> > Precision Street maps 3.0 and it derivitives are
> very
> > outdated. They are using USGS data from 1991. In
> my
> > area we have lots of residential streets and an
> entire
> > bypass that isn't on the Precision Maps. I guess
> its
> > better than nothing.
> >
> > Michael
> > KB9VBR
> >
>
>
> ---
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> administrator: wa1lou@tapr.org
>

_____
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201. [aprssig] Re: WinAPRS updates???

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 07 Sep 2001 16:05:00 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-34709-2001.09.07-11.28.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl Needham <needhame@yucca.net> wrote:

>At 06:41 AM 9/6/2001 +0000, J.Duffy Beischel wrote:
>><snip>

>>In summary, put WinAPRS source in the public domain. Maybe someone else
>>can get it to work with Precision Mapping
>>4.0 (the only real maps I have).

>Why don't you suggest that Microsoft put the Windows 98 source
>code in the public domain and perhaps someone else can get it to work?

That is not as far fetched as you were hoping it would be. Microsoft
recently released the source code to Windows CE, or at least made
this fact more well known:

http://www.microsoft.com/windows/embedded/ce/tools/source/default.asp

>I mean, WinAPRS BELONGS to the Sprouls, you're asking them to give personal
>property away.

And yet, this is all that really matters. It is their's to do what they
want, but what was being asked, is fairly common in business, at
least with more progressive companies, when a product reaches end
of life. Borland is a good example of this as they have released to
the public domain many of their early compilers.

So, while I am stating what was suggested was not at all far fetched,
I am also agreeing with you that it is their's, and their's alone,
decision to make, and in this we agree. I don't think WINAPRS has
reached end of life, although one might not say the same thing about
PM.

-Jeff wb8wka

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

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202. [aprssig] Re: WinAPRS updates???

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 07 Sep 2001 11:18:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-34710-2001.09.07-11.41.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>http://www.microsoft.com/windows/embedded/ce/tools/source/default.asp
>
>
>>I mean, WinAPRS BELONGS to the Sprouls, you're asking them to give
>>personal property away.
>
>And yet, this is all that really matters. It is their's to do what they
>want, but what was being asked, is fairly common in business, at
>least with more progressive companies, when a product reaches end
>of life. Borland is a good example of this as they have released to
>the public domain many of their early compilers.

This is what's in my mind too.

They have promised fixes, and new features, but they aren't delivering.

I've been waiting, with periodic nudges, for them to support my "data
spider" for over two years.
(This is the serial port thing that takes 4/8 ports and muxes/demuxes them
into the normal single laptop port.)
Every time I ask, I get a very positive response, but nothing has changed
in that I still don't have even a beginning of it.

I went to the trouble of having our local meteo PHD review the weather
functions, passed all that data along, and I think they fixed one, out of
many points from that.

If they no longer have time for it, or no longer want to work on it, then
they should consider releasing it to the community. This wouldn't prevent

them from developing it for commercial apps, but it would allow us to get
on with it as a community project. Certain parts of it could probably be
distributed in binary form, to preserve whatever trade secret portions may
exist.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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203. [aprssig] Re: Revisiting Weather/RADAR with WinAPRS.

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 7 Sep 2001 10:58:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34711-2001.09.07-11.46.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS+SA does exactly what you are referring to.

----- Original Message -----
From: "Glen Briggs (KB0RPJ)" <wx@grundyec.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, August 24, 2001 12:23 PM
Subject: [aprssig] Revisiting Weather/RADAR with WinAPRS.

> Greetings List folks.. here is a couple of things i was thinking bout over
> the past few weeks.. can anyone tell me if these changes are possible.. or
> even workable?
>
>
> 1 - Different Colors on the maps for Different Advisorys.. ie.. a tornado
> warning.. the county is painted RED.. severe thunderstorm warning it's
> yellow..   so on.. this way at a glance you can see who's under what..
>

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204. [aprssig] Tablet PC on sale $99.00

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 07 Sep 2001 16:31:26 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34714-2001.09.07-11.55.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FYI, might be of interest for APRS.

>Subject: Tablet PC on sale $99.00
>Date: Fri, 7 Sep 2001 10:16:17 -0600 (MDT)
>
>-----BEGIN PGP SIGNED MESSAGE-----
>Hash: SHA1
>
>
>
>www.halted.com has a Fujitsu tablet PC combo on sale for 99.00 USD in
>their "weekly specials" area.
>
>Here is a copy and paste of the item; note it has two PCMCIA slots!
>
>This could make a good wearable base.

>
>
>
>HSC Special Package!...
>Tablet Pc - Fujitsu keyboard - Microsoft mouse
>Tablet PC:
>Fujitsu 'Stylistic 1000'
>486DX4-100 MHz CPU w/monochrome LCD display
>640KB + 7168KB extended ram
>260MB PCMCIA hard drive (bootable)
>Two extra PCMCIA card slots
>Serial/Parallel/Keyboard (PS/2) ports
>No stylus with this package
>Pulled from service, some scratches, no manual/docs
>Includes AC supply/charger
>Keyboard:
>About same width, slightly longer than PC...
>But, super-slim...less than 1" thick!
>Special function keys for Brightness, Contrast, LCD/CRT select...etc
>With coiled cord & PS/2 plug
>Mouse:
>Brand new Microsoft Serial Mouse 2.0A
>Two-button ergonomic mouse w/9-pin D connector
>HSC#80604
>Price: $ 99.00

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

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205. [aprssig] DCC: Last chance for registration discount, and updated program info

From: John Ackermann N8UR <jra@febo.com>
Date: Fri, 07 Sep 2001 12:50:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34722-2001.09.07-12.14.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The early registration discount for both the hotel room rate, and the
registration fee, expires on September 10, so you only have a couple more
days to get your reservations and registration made at the lowest price.
Registrations at the normal price will be available and at the door (of
course, hotel rooms will be subject to availability).

The DCC begins on Friday, September 20 and runs through Sunday, September
22. Full details are available at
http://www.tapr.org/tapr/html/Fdccconf.html.

A couple of updates on the program:

1. We're very happy that Anthony R. Curtis, Ph.D, K3RXK, will be our
speaker at the DCC banquet. Tony's presentation will be titled "40 Years
of Amateur Radio In Space: Where We've Been, Where We Are, and Where We're
Going."

2. We've confirmed that the Packet Radio Users Group (PRUG) of Tokyo,
Japan will be sponsoring a reception and talking about their latest
activities Friday evening. PRUG is really on the cutting edge of digital
radio, and their presentations are always fascinating.

3. We are also fortunate to have three great activities that focus on the
hardware and soldering-iron side of amateur radio:

        * On Saturday, Jay Craswell, W0VNE, will do an introductory program on
using
        CirCAD, a powerful schematic drawing/PCB layout program that's available
(in a
        slightly limited form) for ham use at no cost.

        * Also on Saturday, Ten-Tec's Gary Barbour, AC4DL, will be talking about
Software
        Defined Radio development at Ten-Tec.

        * Our "Sunday Seminar" will feature Dave Newkirk, W9VES, providing a

tutorial
        on using the Serenade SV RF design software; this is another professional
package
        with a free version available for ham use.

We hope to see you there!

John N8UR
President, TAPR
jra@febo.com -- n8ur@tapr.org

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206. [aprssig] Re: WinAPRS updates??? - solutions

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 7 Sep 2001 13:09:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34743-2001.09.07-12.45.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What would be an ideal solution would be for them to just write a plugin
type system. We could write plugins much like you get plugins for netscrape
and IE. Then their code would stay private and we could write all the bells
and whistles we wanted instead of bugging the Sprouls.

I too find it frustrating to wait for update, but usually a long period of
silence usually means that they are doing major work behind the scenes.
Granted, it would be nice if the current crop of features worked... like
shelter list. Or if some new much awaited features were implemented like
AZ-EL rotator control or Dave's mux. Never the less, my $60 bought me the
ability to not have to re-enter information everytime it starts up and to
use as many copies as I see fit on all my computers. I even got a serial
number BEFORE my check had left my mailbox via email. I have had about a
20 - 80 ratio of asking for things and getting them.... about 20% of my
requests are implemented - pretty good odds... try to get that with
micro$oft. Heck, they've even written and emailed custom releases for me to
test.   Some of the more recent bug fixes / feature requests that were
answered were setting the port number of the winaprs webserver, and 3 minute
refreshes on the web server mapping pages. How many people have written
software for aprs that runs on three platforms?

My feeling is that anyone wishing to complain about how much time the
Sprouls spend working on their jobs / families / winaprs is more than
welcome to begin the enormous task of writing their own version of the
software. Anyone dissatisfied with their choices for feature bloat vs
functionallity can write their own software. The Sprouls write
Win/Mac/X-APRS for their own needs and it's really nice of them to share
with the rest of us - remember, $60 buys you the right to run aprs on all of
your PCs and not have to enter lat/long every time. The aprs spec is
documented, and the only "proprietary" part of winaprs is the mapping
engine. The map format is very well documented however. So far as Pmaps
go, they licensed that from Chicago Mapping and I don't suppose they *can*
release that part of the code. I know how time consuming the DOS digipeater
I wrote was, esp once I released it and started to support it. And it
wasn't even all that popular of a program! I have tremendous respect for
all of the APRS authors for sticking with us as long as they have.

Words from a happy customer.
Wes

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207. [aprssig] Re: WinAPRS site

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Fri, 07 Sep 2001 13:24:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34750-2001.09.07-13.21.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chris Rose wrote:
>
> http://aprs.rutgers.edu/
>
> Is this the correct site for the Sprouls' WinAPRS files? If so, I haven't
> been able to make it work for a couple of days.
>
> Anyone have same trouble? If not, am I in error about the URL?

A simple traceroute suggests that they have some problems with their ip
routing. I won't try to diagnose it from afar... that's what they do
for a living, so I suspect that with a hint they'll go looking and
find/fix the problem.

Gerry
--
Gerry Creager
AATLT/Network Engineering
Texas A&M University
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208. [aprssig] Re: [Gerry Creager N5JXS] Re: WinAPRS site

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Fri, 07 Sep 2001 14:34:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34760-2001.09.07-14.59.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>A simple traceroute suggests that they have some problems with their ip
>routing. I won't try to diagnose it from afar... that's what they do
>for a living, so I suspect that with a hint they'll go looking and
>find/fix the problem.

Here's what I get at the end of the traceroute from here:

```
  6    26 ms    26 ms    25 ms  12.123.4.254
  7    87 ms    28 ms    27 ms  12.122.11.33
  8   117 ms    49 ms    47 ms  12.122.11.9
  9    46 ms    45 ms    45 ms  12.122.11.14
 10    45 ms    46 ms    46 ms  12.123.1.197
 11    51 ms    53 ms    48 ms  12.124.200.46
 12    66 ms    70 ms    66 ms  165.230.69.68
 13    52 ms    51 ms    50 ms  165.230.69.68
 14    54 ms    53 ms    55 ms  165.230.69.68
 15    52 ms    51 ms    52 ms  165.230.69.68
 16     *        *     ^C
```

A routing loop of some type exists for ICMP traffic, an HTTP request
does not result in other useful information, it just times out because
we never see the TCP SYN_ACK based on tcpdump output...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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209. [aprssig] Re: WinAPRS site

From: Ray Vaughan <ray@rayvaughan.com>
Date: Fri, 07 Sep 2001 17:24:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34777-2001.09.07-16.48.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A gentle reminder... they work at a major university and the server is hosted at the same university.
This is the time of year that IT departments are very busy setting up for the new school year. Lots of
things go wrong.   Just imagine most of your company's customer base showing up and wanting service, all
 in the same week.   Give the guys some time to catch up.   I have a major project on hold at another
university for that same reason.

At 01:24 PM 9/7/01 -0500, Gerry Creager N5JXS wrote:

>Chris Rose wrote:
> >
> > http://aprs.rutgers.edu/
> >
> > Is this the correct site for the Sprouls' WinAPRS files? If so, I haven't
> > been able to make it work for a couple of days.
> >
> > Anyone have same trouble? If not, am I in error about the URL?
>
>A simple traceroute suggests that they have some problems with their ip
>routing. I won't try to diagnose it from afar... that's what they do
>for a living, so I suspect that with a hint they'll go looking and
>find/fix the problem.

Ray J. Vaughan, MS, CBTE, CERT
KD4BBM PG-7-15266
ray@rayvaughan.com
http://www.rayvaughan.com/
§97.1(c)-(d)

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210. [aprssig] Re: WinAPRS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 7 Sep 2001 17:41:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34780-2001.09.07-17.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'll even add a comment to Ray Vaughan's comments... since I've been going
to DCC's, one or the other of the Sproul brothers has always been there...
and I even think once or twice both were there....

SO, anyone wanting to discuss WinAPRS "issues"... might doubly benefit from
attendance at DCC in two weeks.... (the other is that Friday is an ALL DAY
APRS SEMINAR) - and it's often discusses in hallways and sidebars as
well....

ALOHA
AH6LS

> -----Original Message-----
> From: Ray Vaughan [SMTP:ray@rayvaughan.com]
> Subject: [aprssig] Re: WinAPRS site
>
> A gentle reminder... they work at a major university and the server is
> hosted at the same university. This is the time of year that IT
> departments are very busy setting up for the new school year. Lots of
> things go wrong.   Just imagine most of your company's customer base
> showing up and wanting service, all in the same week.   Give the guys some
> time to

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211. [aprssig] Re: WinAPRS site

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Fri, 07 Sep 2001 16:52:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34782-2001.09.07-17.16.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a follow on to the gentle reminder...

I've been stomping and killing Code Red and its variants for the last 2
weeks, when I've been in town, and I have Linux systems on my end. If
they have to identify the perpetrators AND clean infected systems,
they're swamped.

And I know OUR network has been running at 70+ percent capacity. That's
not conducive to continued life on an ethernet network.

In otherwords, and what I was trying to say earlier, but did so badly:
They're almost certainly busier than they really would like to be.

Gerry
--
Ray Vaughan wrote:
>
> A gentle reminder... they work at a major university and the server is hosted at the same university.
  This is the time of year that IT departments are very busy setting up for the new school year. Lots
of things go wrong.   Just imagine most of your company's customer base showing up and wanting service,
all in the same week.   Give the guys some time to catch up.   I have a major project on hold at another
 university for that same reason.
--
Gerry Creager
AATLT/Network Engineering
Texas A&M University
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212. [aprssig] Amanda Tablet computer

From: Brian Webster <radiowebst@yahoo.com>
Date: Fri, 7 Sep 2001 18:20:17 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34822-2001.09.07-20.44.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was just reading my tigerdirect catalog and noticed
the amanda tablet computer with color touch screen and
keyboard for $89.00! Qustion is what operating system
does it run and can we make good use of it for
portable aprs? It has one USB port and that seems to
be it, used mainly for email and such. It will connect
to any ISP, seems like somewhere I heard it was linux,
if so can it be made to run linux aprs stuff?

Brian N2KGC

=====
Thank you,
Brian Webster
Voicemail and Fax (360)242-1363

_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
http://im.yahoo.com

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213. [aprssig] Re: Amanda Tablet computer

From: Jeff King <jeff@aerodata.net>
Date: Fri, 07 Sep 2001 22:32:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34828-2001.09.07-21.54.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian Webster wrote:
>
> I was just reading my tigerdirect catalog and noticed
> the amanda tablet computer with color touch screen and
> keyboard for $89.00! Qustion is what operating system
> does it run

This is actually called the Audrey and was made by 3com. It
runs QNX similar to the I-Opener. QNX is a version of Unix.

It uses the National Geode processor. I'm looking now for
hacking information.

-Jeff wb8wka

p.s. thanks for the referal, this looks interesting!

http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=M975-9000
http://www.linuxdevices.com/news/NS5407104044.html

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214. [aprssig] Re: Audrey Tablet computer

From: Jeff King <jeff@aerodata.net>
Date: Fri, 07 Sep 2001 22:59:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34831-2001.09.07-22.21.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Brian Webster wrote:

> > I was just reading my tigerdirect catalog and noticed
> > the amanda tablet computer with color touch screen and
> > keyboard for $89.00! Qustion is what operating system
> > does it run

> This is actually called the Audrey and was made by 3com. It
> runs QNX similar to the I-Opener. QNX is a version of Unix.

> It uses the National Geode processor. I'm looking now for
> hacking information.

OK, I found some stuff:

Here is a web board:

http://www.linux-hacker.net/cgi-bin/UltraBoard/UltraBoard.pl?Action=ShowBoard&Board=3Com_Audrey&Idle=&So
rt=&Order=

Here seems to be a good one: http://www.audreyhacking.com/

Misc info:

http://www.mindspring.com/~mickeym/audrey.htm
http://www.linux-hacker.net/audrey/audrey.jpg
http://www.ece.utexas.edu/~jlang/audrey/
http://www.sowbug.com/audrey/   (whole bunch of stuff here)

Here is the OS for the Audrey:

http://get.qnx.com/

Looks like the general thought is to just stick with QNX on this thing, which is not
bad, just no APRS stuff runs on it that I know of.

-Jeff wb8wka

>
> http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=M975-9000
> http://www.linuxdevices.com/news/NS5407104044.html

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215. [aprssig] Re: Amanda Tablet computer

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 07 Sep 2001 22:04:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34834-2001.09.07-22.30.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:20 PM 9/7/01, Brian Webster wrote:

>I was just reading my tigerdirect catalog and noticed
>the amanda tablet computer with color touch screen and
>keyboard for $89.00!

For information on the Audrey and other web appliances, look to:

http://www.linux-hacker.net/cgi-bin/UltraBoard/UltraBoard.pl

This is the I-appliance BBS.

They have a section devoted to the Audrey.

73,

Mark
KC7BXS

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216. [aprssig] RE: WinAPRS Site

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Fri, 7 Sep 2001 23:30:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34838-2001.09.07-22.56.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The aprs.rutgers.edu site was suspect as to being hacked, so it was
taken off line until that could be verified. It should be back on
shortly .

Keith Sproul
--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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217. [aprssig] Alinco DR-135TP

From: JAPalese@aol.com
Date: Fri, 7 Sep 2001 23:39:04 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34839-2001.09.07-23.03.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi:

Does anyone have any comments on this radio/tnc combo for APRS use?

I searched the archives and came up empty handed.

How does it compare to the Kenwood D-700?

73
John
WB9JPH

218. [aprssig] Re: Alinco DR-135TP

From: RMckni8527@aol.com
Date: Fri, 7 Sep 2001 23:49:39 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-34846-2001.09.07-23.13.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/7/01 8:42:05 PM Pacific Daylight Time, JAPalese@aol.com
writes:

> Does anyone have any comments on this radio/tnc combo for APRS use?
>
> I searched the archives and came up empty handed.
>
> How does it compare to the Kenwood D-700?
In about 10 seconds I went to the ARRL web site, clicked on Advertisers then
went to Alinco's web site. They have a link right on their main page for the

radio.

http://www.alinco.com/usa.html

It doesn't compare very well with the Kenwood radio, as the Alinco is
strictly 2 meters and the display seems limited. But price may be a bigger
consideration than functionality.

Just my opinion

73's
Ray - WB3ABN
Kingston, WA

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219. [aprssig] Re: Alinco DR-135TP

From: Jeff Walsh <jeff.walsh@ttu.edu>
Date: Fri, 7 Sep 2001 23:05:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34847-2001.09.07-23.28.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Alinco and the Kenwood were designed to fill two different roles. The
Alinco is more of a simple tracker radio that you would hook a computer to
for more functionality. Its job is to sit there and send out your
position. The Kenwood is more of what I would call an APRS "terminal". It
has features builtin for displaying stations and sending messages and such.
 Of course, the Kenwood is about 3x the cost of the Alinco.

Personally, I have an Alinco DR-135TP I'm gonna run in the truck since I
already have a laptop installed in there. If you are looking for an all in
one solution where everything is one box, get the Kenwood. You can get an
idea of its functioanlity by downloading the manual off of Kenwood's
website.

Jeff

--
Jeff Walsh - KC5IBY -- ICQ# 63034000   AIM - fourx4hart
Pager -- 1-877-901-9553 or pager@jeffwalsh.net
Smith & Wesson - The ultimate point and click user interface
http://www.hitechredneck.net
Member IEEE

On 2001.09.07 22:49:39 -0500 RMckni8527@aol.com wrote:
> In a message dated 9/7/01 8:42:05 PM Pacific Daylight Time,
> JAPalese@aol.com
> writes:
>
> > Does anyone have any comments on this radio/tnc combo for APRS use?
> >
> > I searched the archives and came up empty handed.
> >
> > How does it compare to the Kenwood D-700?
> In about 10 seconds I went to the ARRL web site, clicked on Advertisers
> then
> went to Alinco's web site. They have a link right on their main page for
> the
> radio.
>
> http://www.alinco.com/usa.html
>
> It doesn't compare very well with the Kenwood radio, as the Alinco is
> strictly 2 meters and the display seems limited. But price may be a
> bigger
> consideration than functionality.
>
> Just my opinion
>
> 73's
> Ray - WB3ABN
> Kingston, WA
>
> ---
> You are currently subscribed to aprssig as: jeff.walsh@ttu.edu

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>
>

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220. [aprssig] Re: Alinco DR-135TP

From: Dave Hargus <dhargus@pacbell.net>
Date: Fri, 07 Sep 2001 21:24:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34848-2001.09.07-23.44.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the Alinco DR-135TP. This radio is easy to use on APRS in tracker mode or
with a computer with APRS software. I use it both ways, with a GPS on the dash in
tracking mode, or when I really want to get serious, with APRSPlus. The convienence
with the radio is that the GPS plugs into the radio's front panel, a little Velcro on the dash to
hold down my GPSIII+ and it is tracking.

I have the radio mounted in the dash with a 3' serial cable routed from the back of the
radio, down the back of the dash to the transmission hump where I can plug in a laptop
for APRSPlus. Works great. Not the Kenwood, but cheaper. And, for me, it is more
convenient to use than a separate radio and TNC.

Dave
K6NFL
  ----- Original Message -----
  From: JAPalese@aol.com
  To: TAPR APRS Special Interest Group
  Sent: Friday, September 07, 2001 8:39 PM
  Subject: [aprssig] Alinco DR-135TP

  Hi:

  Does anyone have any comments on this radio/tnc combo for APRS use?

  I searched the archives and came up empty handed.

  How does it compare to the Kenwood D-700?

  73
  John
  WB9JPH

221. [aprssig] Re: Alinco DR-135TP

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sat, 8 Sep 2001 04:44:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34888-2001.09.08-04.21.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From what I understand it does not digipeat. If I'm right, that's a real shame... it would be really
nice to setup an aprs digi by simply installing a 135 at a site. The radio can work as a stand alone
tracker or as a radio/tnc combo for your laptop. It does not display or interpret aprs data, just
passes it happily along to your laptop (or Palm Pilot?????). The kenwood on the other hand displays
aprs data textually on it's front panel and station's locations graphically using your GPS's screen.
  ----- Original Message -----
  From: JAPalese@aol.com
  To: TAPR APRS Special Interest Group
  Sent: Friday, September 07, 2001 23:39
  Subject: [aprssig] Alinco DR-135TP

  Hi:

  Does anyone have any comments on this radio/tnc combo for APRS use?

  I searched the archives and came up empty handed.

  How does it compare to the Kenwood D-700?

  73
  John
  WB9JPH

222. [aprssig] Re: Amanda Tablet computer

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sat, 8 Sep 2001 04:44:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34889-2001.09.08-04.21.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just ordered one.... heck , if i end up not being able to run JEaprs or
Xaster on it, I can still use it for surfing on the web from my couch....
the ethernet card is $30 extra. Total for Audry computer and ethernet card
and shipping was $132

Very interesting device.
Wes

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, September 07, 2001 23:04
Subject: [aprssig] Re: Amanda Tablet computer

> At 08:20 PM 9/7/01, Brian Webster wrote:
>
> >I was just reading my tigerdirect catalog and noticed
> >the amanda tablet computer with color touch screen and
> >keyboard for $89.00!
>
>
> For information on the Audrey and other web appliances, look to:
>
> http://www.linux-hacker.net/cgi-bin/UltraBoard/UltraBoard.pl
>
> This is the I-appliance BBS.
>
> They have a section devoted to the Audrey.
>
> 73,
>
> Mark
> KC7BXS
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>

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223. [aprssig] WinAPRS & Win95 display problem

From: "Neal Pruitt" <wd4lss@mindspring.com>
Date: Sat, 8 Sep 2001 6:58:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34892-2001.09.08-07.22.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running WinAPRS 2.5.1 under Windows 95 and the weather display page as
well as some of the icons do not display correctly. The weather display
page displays in a text format instead of graphics. Also many of the icons
display as concentric red circles. I have tried previous versions of
WinAPRS and have run WinAPRS on other computers under Win95 with the same
result. Anyone else seen this issue? Is there a solution?

Tnx, Neal - WD4LSS

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224. [aprssig] MIM-module <> PC with failure.

From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Sat, 8 Sep 2001 15:20:38 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34899-2001.09.08-08.44.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Group!

I use a MIM module to transmit tlm data via APRS. But when I connect the
module to my notebook (DOS 6.22) to set the parameters with 'MIC107' most of
the times I get an error message: 'Comm Link FAILURE'.
Another failure appears sometimes when sending the setup with 'perm' to the
module: some fields are crypted!
What happens here? It doesn't matter if I have connected a radio or not. It
is the same failure in MIC-mode and in MIM-mode!

Anybody an idea?

de Wolf, oe7ftj

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

225. [aprssig] Re: WinAPRS & Win95 display problem

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 8 Sep 2001 08:44:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34901-2001.09.08-09.12.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I am running WinAPRS 2.5.1 under Windows 95 and the weather display page
as
> well as some of the icons do not display correctly. The weather display
> page displays in a text format instead of graphics. Also many of the
icons
> display as concentric red circles. I have tried previous versions of
> WinAPRS and have run WinAPRS on other computers under Win95 with the same
> result. Anyone else seen this issue? Is there a solution?

Neal,

I am using Windows 95B and started playing with WinAPRS 2.5.1 this past
week.
It works fine for me on this end.

You might try going to the Microsoft Product Update page and downloading all
the
critical and recommended updates to see if that helps.

I just click on Tools -> Product Update on my IE browser. If you are using
an older
browser, this may not work for you, but you can still visit their site and
get the
necessary updates in any case.

I just clicked on Settings->Master Mode->Weather only, I see the WX icon's
with text beside them showing the WX station information in text form. It
displays
this way on both the internal map and the PM map.

If I click on Lists -> Weather Display, I see UNUSED at the top of the page
and
some multi-ringed red circles. If this is what you are talking about, it
looks like a
function that is not implemented yet. Everything else seems to work well.

Hope this helps.

73's,

Tim - N8DEU
Huntsville, Alabama

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226. [aprssig] Pocket APRS / PalmSat

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 8 Sep 2001 23:57:13 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34902-2001.09.08-09.21.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone recommend the best PALM for:-

1. Pocket APRS
2. Palm Satellite Tracking

Andrew

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227. [aprssig] Re: MIM-module <> PC with failure.

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 8 Sep 2001 08:55:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34903-2001.09.08-09.23.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I use a MIM module to transmit tlm data via APRS. But when I connect the
> module to my notebook (DOS 6.22) to set the parameters with 'MIC107' most
of
> the times I get an error message: 'Comm Link FAILURE'.
> Another failure appears sometimes when sending the setup with 'perm' to
the
> module: some fields are crypted!
> What happens here? It doesn't matter if I have connected a radio or not.
It
> is the same failure in MIC-mode and in MIM-mode!
>
> Anybody an idea?

Wolf,

It may be the serial port on the notebook. This is a common problem where a
notebook computer does not provide or accept the proper RS-232 signal level.
You may have to use another computer (the easy method) or put some pull-up
and pull-down resistors on the RX/TX lines to acheive a wide voltage swing
to
satisfy the levels that the MIM and the computer wants o see. I had the
same
problem with my MIC-E when trying to program it with my laptop computer. It
actually programmed, but my laptop could not decode the response back from
the MIC-E to confirm it.

73's,

Tim - N8DEU
Huntsville, Alabama

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228. [aprssig] RE: Pocket APRS / PalmSat

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sat, 8 Sep 2001 09:18:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34906-2001.09.08-09.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The cheapest soultion would be the m100, but it only has 2 MB of storage. It's bigger brother the m105 has 8 MB of storage. The m100 and m105 are both monocrome displays, no color. Those aren't the best soultions though. If you can still find one, the IIIxe is great! It has 8 MB of storage, and a monocrome display. If you want color, go with it's bigger brother the IIIc which is the exact same thing, but with a color display. All four of these can run: pocketAPRS, and PocketSat (or something to that effect). If you want more information, goto: http://www.palm.com/. This will list just about every palm they manufacture.
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
AHubIN APRS Internet Server - http://kb9uqq.d2g.com

-----Original Message-----
From: bounce-aprssig-19450@lists.tapr.org
[mailto:bounce-aprssig-19450@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Saturday, September 08, 2001 8:57 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Pocket APRS / PalmSat

Can anyone recommend the best PALM for:-

1. Pocket APRS
2. Palm Satellite Tracking

Andrew

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_____

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229. [aprssig] Re: WinAPRS & Win95 display problem

From: "Neal Pruitt" <wd4lss@mindspring.com>
Date: Sat, 8 Sep 2001 9:23:30
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34907-2001.09.08-09.47.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tim,

It is the weather display under the List menu to which I was referring. In Win98 and Win2K those concentric red circles display as graphic images of weather instruments with the values from the attached weather station. When you open the weather display, even if you don't have a weather station, minimize the window and then maximize it and the red cicles will change to text. If you look the icon window under the Windows menu you will see many of the icons displayed as concentric red circles. This does not occur in Win98 or Win2K. The icons are embedded in the WinAPRS.exe file and I have viewed them with an icon editor under Win95 and they display correctly. There appears to be some problem when WinAPRS/Win95 tries to display them. Occasionally, a station will show up on the map with concentric red cicles

as its icon. That station is using one of the icons that will not display
properly.

Neal - WD4LSS

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230. [aprssig] Re: WinAPRS & Win95 display problem

From: "Chris Rose" <kb8uih2@home.com>
Date: Sat, 8 Sep 2001 11:31:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34913-2001.09.08-10.49.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have Win 95 and see the concentric red circles display for some weather
stations. Later, they might disappear and the icon changes for these
stations and the annemoeter icon shows up and then later, the blue circle WX
icon shows up. I think it is something with those individual stations as to
what they are sending. One packet is data, one is a beacon, and another is
station ID or something else. Any takers on this theory?

Thanks,

Chris
KB8UIH

----- Original Message -----
From: "Neal Pruitt" <wd4lss@mindspring.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 08, 2001 9:23 AM
Subject: [aprssig] Re: WinAPRS & Win95 display problem

> Tim,
>
> It is the weather display under the List menu to which I was referring.
In
> Win98 and Win2K those concentric red circles display as graphic images of
> weather instruments with the values from the attached weather station.
When
> you open the weather display, even if you don't have a weather station,
> minimize the window and then maximize it and the red cicles will change to
> text. If you look the icon window under the Windows menu you will see
many
> of the icons displayed as concentric red circles. This does not occur in
> Win98 or Win2K. The icons are embedded in the WinAPRS.exe file and I have
> viewed them with an icon editor under Win95 and they display correctly.
> There appears to be some problem when WinAPRS/Win95 tries to display them.
> Occasionally, a station will show up on the map with concentric red cicles
> as its icon. That station is using one of the icons that will not display
> properly.
>
> Neal - WD4LSS
>
> ---
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>

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231. [aprssig] Map Accuracy -- UIView versus WinAPRS

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 8 Sep 2001 13:13:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34935-2001.09.08-13.37.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Finally got a copy of Precision Mapping 3.03 so I can get street level
mapping with WinAPRS. I put in the coordinates lat/long coordinates by
reading them off of the Precision Map in WinAPRS. When those same

coordinates are used with UI-View and Street Atlas, my position on the map
moves about a 1/2 mile to the other side of an expressway. It's really off.
Anyone have any idea why this is occuring? I would like to know which one
is accurate.

Thanks,

Duffy - WB8NUT

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232. [aprssig] Re: Map Accuracy -- UIView versus WinAPRS

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 08 Sep 2001 14:10:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34939-2001.09.08-14.34.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Map accuracy. Hmmm. For those not particularly interested in a
techniacal discussion, it's <DELETE> time...

First, a direct answer: I don't know, but it appears that one program
is doing a shift to the map datum and one is not, or is doing it badly.

Without dragging out a Windows box and finding all the software, I can
tell you that a lot of the data for any of the mapping programs are
based on US Census Bureau TIGER maps. TIGER maps are based on USGS
aerial photography maps subsequently registered and rectified to tie
points, and then digitized. Unfortunately, the quality of labor used
for said digitization has not always been stellar. Worse, some of the
tie points and registration have been less than ideal, resulting in some
distortions.

But the big "gotcha" almost certainly resides in the map datum.

If you're using a GPS of recent vintage, and have not intentionally
changed the reporting datum for coordinates, it's reporting in the World
Geodetic System of 1984 (WGS-84) which was derived specifically for
worldwide use by the US DoD with the Global Positioning System. Beyond
datum, you also have the WGS-84 ellipsoid, but that is the topic of
another lecture in the course.

Most of the TIGer data of 1997 or later vintage are based on recent USGS
photo missions and incorporate the switch to the North American Datum of
1983 (NAD-83), which is, for all intents and purposes, identical to the
WGS-94 datum for the Continental United States. Prior to the TIGER-1997
data, TIGER data were registered and network-adjusted (least-squares
method) to the North American Datum of 1927 (NAD-27). There are a
number of differences in the NAD-27 and NAD-28 coordinates for various
spots on the ground. For a variety of reasons, too lengthy for Lyris to
let me even begin, NAD-27 is considered a "subjective" rather than an
"objective" datum. Simply put, a lot of surveying was done, in some
cases, measurements were substituted with legislative mandate and
dictum, and the resulting network was then adjusted.

Additionally, the ellipsoid, the smooth mathematical model of the earth
associated with a datum, is different between the NAD-27 (Clarke-1866)
and NAD-83 (GRS-80) datums. This will add to the error budget.

Errors of hundreds of meters are not out of reason. In my part of East
Texas, I observe a 120m shift associated with differing datums. In
other areas, the error is minimal, while in still others, it is markedly
greater than my observed delta. Further, because the two systems are
not both objectively based, transformation between them is not a simple
biased shift, but requires, if done by the best methods, a
transformation through the geocentric coordinates and incorporates
techtonic motion velocities in the estimate, and further, while one may
reasonably go from NAD-83 to NAD-27, and back, the transformation from
NAD-27 solely to NAD-83 is, to repeat, a subjective move and should be
correlated with real observation.

If anyone is interested in my expanding on this, I can do so in private
e-mail via a group.

73, gerry

--
"J.Duffy Beischel" wrote:
>
> Finally got a copy of Precision Mapping 3.03 so I can get street level
> mapping with WinAPRS. I put in the coordinates lat/long coordinates by
> reading them off of the Precision Map in WinAPRS. When those same
> coordinates are used with UI-View and Street Atlas, my position on the map
> moves about a 1/2 mile to the other side of an expressway. It's really off.
> Anyone have any idea why this is occuring? I would like to know which one
> is accurate.
>
> Thanks,
>
> Duffy - WB8NUT
>
> ---
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--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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233. [aprssig] Re: WinAPRS & Win95 display problem

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 8 Sep 2001 13:25:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34947-2001.09.08-14.55.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> weather instruments with the values from the attached weather station.
When
> you open the weather display, even if you don't have a weather station,
> minimize the window and then maximize it and the red cicles will change to
> text. If you look the icon window under the Windows menu you will see
many
> of the icons displayed as concentric red circles. This does not occur in
> Win98 or Win2K. The icons are embedded in the WinAPRS.exe file and I have
> viewed them with an icon editor under Win95 and they display correctly.
> There appears to be some problem when WinAPRS/Win95 tries to display them.
> Occasionally, a station will show up on the map with concentric red cicles
> as its icon. That station is using one of the icons that will not display
> properly.

Ah, I see what you speaketh now. Yep, big red circles here in Win95B.

Thanks,
Tim - N8DEU

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234. [aprssig] Icom 2100 questions

From: "Ridgeroader" <scott@n-connect.net>
Date: Sat, 8 Sep 2001 16:38:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34952-2001.09.08-17.07.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm trying to connect an Icom 2100 to packet. Anyone have the pin out for
that?

I have made a switch box to use packet on one side of the switch and voice
on the other side. I can get the voice to work but packet will receive not
xmit.

Any help appreciated.

Scott Werling, Anamosa, IA N0XZY   AOL IM Ridgeroader
http://www.jonescountytourism.com
http://www.ia.net/~anachamb/pumpkin.html
http://www.earthsat.com/iowa/winter.html (roads)
http://www.thehungersite.com (feed someone today)
mailto:scott@n-connect.net
Smith & Wesson: The original point and click interface.

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235. [aprssig] APRS receive via soundcard?

From: "Stan Olson" <kb9ybu@arrl.net>
Date: Sat, 8 Sep 2001 17:00:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34957-2001.09.08-17.24.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm curious to know if it's possible to use WinAPRS and/or APRS+ using just a soundcard. At the present time, I am
just interested in receiving and not transmitting. I'd like to use this with a laptop and HT, which would require
me to only need a cable to run from the speaker out on the HT to the line in/mic connection on my soundcard. The
only thing I've seen out there is AGWPE, but I couldn't figure out if it would let you set it up in a RX only
format. Any ideas? I'd just be pretty impressed if I could sit outside and receive APRS packets via the ISS. :)
Thanks to all!

Stan - KB9YBU
Champaign, IL

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236. [aprssig] Re: Map Accuracy -- UIView versus WinAPRS

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 8 Sep 2001 17:4:12
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34958-2001.09.08-17.28.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So I guess to kind of net it all out, is that the maps themselves could be
inaccurate and that the best thing to do would be to use the coordinates
from a GPS unit, plug those coordinates into a program, and let the
graphics symbol fall where it may on the map.

Thanks for the info. Informative and interesting. I never knew what I
thought was an exact science, was so inaccurate!

Duffy - WB8NUT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

237. [aprssig] GPS Deals

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sat, 8 Sep 2001 18:55:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-34963-2001.09.08-18.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone looking for deals on GPS' this place has refurb III+ for 230.00 and
others even cheaper. Just thought I would pass it along.

http://store.gpsworldsupply.com/shoppingCart/gpsworld/Catalog.asp

Lee/KD4TQZ

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238. [aprssig] Re: APRS receive via soundcard?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 9 Sep 2001 09:52:49 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-34965-2001.09.08-19.16.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Sep 08, 2001 at 05:00:24PM -0500, Stan Olson wrote:
> I'm curious to know if it's possible to use WinAPRS and/or APRS+ using just a soundcard. At the present time, I am
> just interested in receiving and not transmitting. I'd like to use this with a laptop and HT, which would require
> me to only need a cable to run from the speaker out on the HT to the line in/mic connection on my soundcard. The
> only thing I've seen out there is AGWPE, but I couldn't figure out if it would let you set it up in a RX only
> format. Any ideas? I'd just be pretty impressed if I could sit outside and receive APRS packets via the ISS. :)

Sure, AGWPE will work. I don't think you can tell it to be RX-only,
but if you just don't hook up the transmitting circuit (TX audio and PTT),
it will be none the wiser.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

239. [aprssig] Correction to DCC Post

From: "John R. Ackermann" <jra@febo.com>
Date: Sat, 08 Sep 2001 20:22:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: mvarbb@febo.com, tawg-list@tawg.org
Message-ID: <LYR842-34972-2001.09.08-19.46.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a previous email I incorrectly stated that the Circad schematic drawing
and PCB layout program is available for Ham use at no cost. I
misunderstood the relationship of the various versions.

There is a highly discounted version of the $995 Circad program available
at $295.   This $295 version is available to Licensed Ham/Amateur Radio
Operators only. Check out http://dover.5u.com/ for more info on the Ham
Discount.

There is a demo version of Circad downloadable at http://www.holophase.com;
although that version can be used to draw small schematics and PCBs, it's
not a replacement for the full program.

I want to apologize to Holophase and to Jay Craswell for improperly
describing the versions of Circad, and to you for any confusion this may
have caused.

73,
John N8UR
President, TAPR
jra@febo.com -- n8ur@tapr.org

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240. [aprssig] Re: Alinco DR-135TP

From: ik7565@erols.com
Date: Sat, 08 Sep 2001 20:43:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-34991-2001.09.08-20.07.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I heard a rumor that the TNC had a problem with RELAY but I don't
remember where I saw that. Can someone verify/refute this?

73 de N8IK
Ian

JAPalese@aol.com wrote:
>
> Hi:
>
> Does anyone have any comments on this radio/tnc combo for APRS use?
>
> I searched the archives and came up empty handed.
>
> How does it compare to the Kenwood D-700?
>
> 73
> John
> WB9JPH

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241. [aprssig] KISS

From: Kenneth Cechura <kcechura@umr.edu>
Date: Sat, 8 Sep 2001 20:48:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35009-2001.09.08-21.12.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i've been looking at, and am considering purchasing the KISS mode TNC
(with tracker eature) from the Nov. 2000 QST....does anyone know of a
Palm application (for palm IIIx) that will support kiss-mode operation?

thanks
Ken

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

242. [aprssig] Re: Map Accuracy -- UIView versus WinAPRS

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 08 Sep 2001 22:09:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35012-2001.09.08-21.35.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If anyone is interested in my expanding on this, I can do so in private
> e-mail via a group.
>
> 73, gerry

<slapping myself in the forehead>
Make the voices stop! Make the voices stop!
:o)

Ev, W2EV

p.s.-- actually...a very cool piece of eMail, Gerry. Thanks for
sharing your experience.

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243. [aprssig] Re: APRS receive via soundcard?

From: WA8LMF2@aol.com
Date: Sat, 8 Sep 2001 22:36:21 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kb9ybu@arrl.net
Message-ID: <LYR842-35015-2001.09.08-22.00.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/8/01 3:03:33 PM Pacific Daylight Time, kb9ybu@arrl.net
writes:

> The
> only thing I've seen out there is AGWPE, but I couldn't figure out if it
> would let you set it up in a RX only
> format. Any ideas?

Yes... It works perfectly well in receive only mode. The only consideration
is that to use it with APRSplus, you will also require a "middleware"
go-between program called KipSSPE to connect AGW's IP output to APRSplus'
KISS input. UI-View recognizes AGW natively -- no additional glue needed.
Not sure about WinAPRS.

KipSSPE is downloadable from the APRSplus FTP site -- be careful not to
confuse the name with the similar KipSS (without the "PE" on the end) which
is a generic IP-to-KISS interface.

For more information, go to:
   http://www.qsl.net/soundcardpacket

Stephen H. Smith   wa8lmf @ aol.com
     (Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
----

|
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244. [aprssig] San Francisco Grand Prix

From: Robert Michaud <r.michaud@glumac-sf.com>
Date: Sat, 8 Sep 2001 20:23:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35018-2001.09.08-22.48.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The San Francisco Grand Prix bike race starts at 9AM PDT Sunday 9th. There
will be lead and tail APRS trackers in the vehicles at the front and rear of
the race pack. Go to FindU and use lead and tail in place of a call sign.

http://64.34.101.121/cgi-bin/find.cgi?call=lead

For you arm-chair attorneys, the real call sign is in the status text.

Robert, KD6INI

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245. [aprssig] Re: Icom 2100 questions

From: "Michael Reed" <mreed@ix.netcom.com>
Date: Sat, 8 Sep 2001 21:23:59 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-35020-2001.09.08-23.47.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Scott,
It looks like the pin out on the Icom 2100 is
1 - not used
2 - PTT common (ground)
3 - Microphone audio
4 - Mic. common (Ground)
5 - Push to talk, PTT
6 - not used
7 - not used
8 - not used
This is what I'm using with my 2100 and RIG blaster nomic.

Mike Reed
> I'm trying to connect an Icom 2100 to packet. Anyone have the pin out for
> that?
>
> I have made a switch box to use packet on one side of the switch and voice
> on the other side. I can get the voice to work but packet will receive
not
> xmit.
>
> Any help appreciated.
>
> Scott Werling, Anamosa, IA N0XZY   AOL IM Ridgeroader

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246. [aprssig] DR135TP Alinco Bugs

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 9 Sep 2001 01:20:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-35050-2001.09.09-00.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I dunno about the digipeat function, but being a trucker, I thought I would
pass one more tidbit.   Should you shut the vehicle off and leave the TNC
on, when you restart the vehicle (AT least in a truck) the voltage drop,
wipes the TNC clean, thus having to drag out the laptop and reprogram it.
In a car the voltage drop may not affect it, but I have talked with 3
truckers who returned theirs due to this problem. Just food for thought.
This could prove to be real aggrivating to some of us drivers. Those that
are technically minded might have come up with a fix for it, and maybe just
maybe would like to share with the rest??

Personally, I own a Kenwood. after 200thousand miles of pure torture, it
looks rough, but it aint even lost a bulb yet! Nuff said.

Lee/KD4TQZ

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247. [aprssig] Palm Info

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 9 Sep 2001 01:11:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-35058-2001.09.09-00.57.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Its very easy.

For BUDGET   Palm IIIe abt 100bux (2m of ram)
For SPACE   Palm IIxe abt 199   (8M of ram vs 2)

FOR SUPERB GRAPHICS PALM IIIc (8M plus Color screen) 289 Staples.

I own the first two have played with third.

Lee/KD4TQZ

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248. [aprssig] Reverse Polarity Connectors for 802.11b Products

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 09 Sep 2001 01:07:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35061-2001.09.09-01.33.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a few inquiries as to where to purchase RP-TNC connectors often
used in Access Points for wireless networking.

Cable X-perts has them.

http://www.cablexperts.com/cfdocs/cat.cfm?ItemGroup=15&itmsub=2&bskt=0&c=0

$6.00 each - crimp style - designed for LMR-400 Coax

RP1202i,
TNC MALE-REVERSE POLARITY,
NICKEL, TEFLON® GOLD PIN
Fits:9913FX & LMR-400 Sizes,
Reverse Polority means the center pin is the reverse gender of the body.
Example:Male body w/female pin. Female body w/male pin.

73,

Mark
KC7BXS

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249. [aprssig] PMAP OCX file.

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 9 Sep 2001 10:53:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35108-2001.09.09-10.16.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since rutgers is still down, I nned an alternative site to get the PMAP OCX
file.

PLEASE DON'T EMAIL IT TO ME Give me a link if you have it somewhere.

Lee/KD4TQZ

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250. [aprssig] Re: Pocket APRS / PalmSat

From: Stephan Greene <sgreene@patriot.net>
Date: Sun, 9 Sep 2001 11:30:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-35113-2001.09.09-10.55.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 8 Sep 2001, Andrew Rich wrote:

> Can anyone recommend the best PALM for:-
>
> 1. Pocket APRS
> 2. Palm Satellite Tracking

One you already own?

More seriously - I'd go for one with the most memory (for maps), easiest
power supply, and lowest cost (it's going to get bounced around)

My pick - a Palm III with 8MB ram with a 3rd-party ruggedized case.
Replacable batteries are better, IMHO, than the built-in rechargable in
the Palm V. You'll be running these units alot and it'll eat the battery.

2nd choice an 8MB Handspring and a usb-serial convertor (IF they work)

With the Palm 50x series out, prices on remaining stocks of the older
models are dropping. Plus there's ebay.

73
Steve KA1LM

Stephan A. Greene   sgreene@patriot.net   ka1lm@amsat.org

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251. [aprssig] RE: PMAP OCX file.

From: bftet@netscape.net (Bill Tetens)
Date: Sun, 09 Sep 2001 11:35:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35116-2001.09.09-11.00.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try www.tawg.org/nojava.htm

Bill

"Lee H. Dahlen" <kd4tqz@qsl.net> wrote:

>Since rutgers is still down, I nned an alternative site to get the PMAP OCX
>file.
>
>PLEASE DON'T EMAIL IT TO ME Give me a link if you have it somewhere.
>
>Lee/KD4TQZ
>
>
>
>---
>You are currently subscribed to aprssig as: bftet@netscape.net
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>
>

_____
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252. [aprssig] RE: PMAP OCX file.

From: "Kris Rice" <kris@jokr.net>
Date: Sun, 9 Sep 2001 08:35:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35119-2001.09.09-11.02.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is where I got it last night

http://f6fub.aveyron-loisirs.com/Uiview/Divers/

-kris
-----Original Message-----
From: bounce-aprssig-25067@lists.tapr.org
[mailto:bounce-aprssig-25067@lists.tapr.org] On Behalf Of Lee H. Dahlen
Sent: Sunday, September 09, 2001 7:54 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] PMAP OCX file.

Since rutgers is still down, I nned an alternative site to get the PMAP
OCX file.

PLEASE DON'T EMAIL IT TO ME Give me a link if you have it somewhere.

Lee/KD4TQZ

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253. [aprssig] I GOT IT

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 9 Sep 2001 11:45:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35121-2001.09.09-11.08.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all that Replied. Guy I will await ur url.

Lee

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254. [aprssig] OCX zip file

From: Guy Story <kc5goi@tapr.org>
Date: Sun, 9 Sep 2001 10:46:39 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35123-2001.09.09-11.10.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I have this setup right you should be able to download the pmap_ocx.zip
file from http://www.kc5goi.net/winaprs. I will be creating a webpage to
dress it up a bit later today. It is via http only, not ftp. Right click
on
the file name and tell it to save as or what ever you favorite browser has
you do. I will look at posting other files there if the need arises.

73

Guy Story, KC5GOI

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255. [aprssig] Re: PMAP OCX file.

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sun, 9 Sep 2001 11:50:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35124-2001.09.09-11.13.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Bill, that url takes me to the rutgers site, which is down.

Thanks

Lee
----- Original Message -----
From: "Bill Tetens" <bftet@netscape.net>
To: ""Lee H. Dahlen"" <kd4tqz@qsl.net>; ""TAPR APRS Special Interest Group""
<aprssig@lists.tapr.org>
Sent: Sunday, September 09, 2001 11:35 AM
Subject: RE: [aprssig] PMAP OCX file.

> Try www.tawg.org/nojava.htm
>
> Bill
>
> "Lee H. Dahlen" <kd4tqz@qsl.net> wrote:
>
> >Since rutgers is still down, I nned an alternative site to get the PMAP
OCX
> >file.
> >
> >PLEASE DON'T EMAIL IT TO ME Give me a link if you have it somewhere.
> >
> >Lee/KD4TQZ
> >
> >
> >
> >---
> >You are currently subscribed to aprssig as: bftet@netscape.net
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> >
>
>
> _____
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256. [aprssig] APRS

From: "Godfrey M. Flax KC0AUH" <kc0auh@kscable.com>
Date: Sun, 09 Sep 2001 11:05:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35130-2001.09.09-11.29.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good Morning Everyone, I am looking for WxBultn.wav file for WinAPRS. TAPR
website doesn't have this file and I was wondering if anyone out there has it.

CUL & 73's

Godfrey M. Flax KC0AUH
A.R.E.S. Emergency Coordinator
District 6 Zones 29 & 30 of Kansas
E-Mail: kc0auh@kscable.com
www.geocities.com/swkares/

257. [aprssig] APRSdos

From: "MB (K3NMR)" <mbaratta@dmv.com>
Date: Sun, 9 Sep 2001 13:38:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35139-2001.09.09-13.00.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the secret in getting APRSdos (V.848) to display all incoming call signs on the map? (Tried "Just-All" : & "Maps-Show-Calls")
Also, is it possible to filter out all incoming msgs ???
Thank you all in advance,

258. [aprssig] Re: APRSdos

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sun, 09 Sep 2001 13:45:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35146-2001.09.09-13.11.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> "MB (K3NMR)" wrote:
> What is the secret in getting APRSdos (V.848) to display all incoming
> call signs on the map? (Tried "Just-All" : & "Maps-Show-Calls")
> Also, is it possible to filter out all incoming msgs ???
> Thank you all in advance,

You don't mention which frames aren't being displayed (or how you know
<smile>), but you may want to turn "Filters Off" and see if that has any
impact.

Ev, W2EV

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259. [aprssig] Re: PMAP OCX file.

From: Kenneth Cechura <kcechura@umr.edu>
Date: Sun, 9 Sep 2001 13:33:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-35174-2001.09.09-13.57.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.umr.edu/~kcechura/aprs.html

On Sun, Sep 09, 2001 at 10:53:38AM -0400, Lee H. Dahlen wrote:
> Since rutgers is still down, I nned an alternative site to get the PMAP OCX
> file.
>
> PLEASE DON'T EMAIL IT TO ME Give me a link if you have it somewhere.
>
> Lee/KD4TQZ
>
>
>
> ---
> You are currently subscribed to aprssig as: kcechura@umr.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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260. [aprssig] New telemetry on KJ7AZ-7

From: "Jake" <jakie@vcn.com>
Date: Sun, 9 Sep 2001 14:11:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35187-2001.09.09-15.35.21--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

New telemetry has been added to KJ7AZ-7 on Limestone Mountain in Wyoming.

KJ7AZ-7>BEACON,WIDE3-1:T#015,130,137,059,035,064,00010011
KJ7AZ-7>BEACON,WIDE3-2:T#017,130,137,060,035,064,00010011
KJ7AZ-7>BEACON,WIDE3-1:T#017,130,137,060,035,064,00010011
KJ7AZ-7>BEACON,WIDE3-2:T#018,130,137,061,035,064,00010011
KJ7AZ-7>BEACON,WIDE3-2:T#019,130,137,061,035,064,00010011
KJ7AZ-7>BEACON,WIDE3-1:T#020,130,137,061,036,064,00010011
KJ7AZ-7>BEACON,WIDE3-1:T#020,130,137,061,036,064,00010011
KJ7AZ-7>BEACON,WIDE3-2:T#021,130,137,062,036,064,00010011
KJ7AZ-7>BEACON,WIDE3-1:T#021,130,137,062,036,064,00010011
KJ7AZ-7>BEACON,WIDE3-1:Telemetry= Battery V, Charge V, Room Temp, Battery
Temp, Radio Temp.
KJ7AZ-7>BEACON,WIDE3-2:Telemetry= Battery V, Charge V, Room Temp, Battery
Temp, Radio Temp.

You can see, T#020 is the counter. The rest are voltages and Temperature
readings. The TNC is a KPC-3+

Voltages are accurate to within 1/2 volt. Temperature readings are accurate
to within 2 degrees. The Charger voltage assists in seeing if there is
power on the mountain. This has already been usefull when power was lost in
a thunderstorm. The temperature unit was built as a plug in module that
just hooks to the serial connector on the TNC. No internal changes were
made to use this feature. Telemetry is set to 30 minutes.

Jake/KJ7AZ

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261. [aprssig] Re: Map Accuracy -- UIView versus WinAPRS

From: Skip Allison <sallison@megsinet.net>
Date: Sun, 09 Sep 2001 15:19:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35189-2001.09.09-15.46.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"J.Duffy Beischel" wrote:
>
> Finally got a copy of Precision Mapping 3.03 so I can get street level
> mapping with WinAPRS. I put in the coordinates lat/long coordinates by
> reading them off of the Precision Map in WinAPRS. When those same
> coordinates are used with UI-View and Street Atlas, my position on the map
> moves about a 1/2 mile to the other side of an expressway. It's really off.
> Anyone have any idea why this is occuring? I would like to know which one
> is accurate.

I run WinAPRS with PM 3.0 and APRS+ with SA7.0 here. They seem to match
up pretty close here with all the locations I've compared. Both are off
about 150' from my GPS coordinates though. The roads on both maps match
- of course the town names on PM are all wrong though. Anybody know how
to edit the PM files and change the town names?

Skip
K9SA

Skip

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262. [aprssig] ALL software and hardware developers...

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 09 Sep 2001 15:33:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35194-2001.09.09-16.57.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.wired.com/news/politics/0,1283,46655,00.html

"The SSSCA says that it is illegal to create, sell or distribute "any
interactive digital device that does not include and utilize certified
security technologies" that are approved by the U.S. Commerce
Department. An interactive digital device is defined as any hardware or
software capable of "storing, retrieving, processing, performing,
transmitting, receiving or copying information in digital form."

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

263. [aprssig] Re: ALL software and hardware developers...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 09 Sep 2001 16:47:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35195-2001.09.09-17.12.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't forget our neighbors to the north. Make sure your transmissions are
"Canadian Heritage" friendly. ;).   I know, I know, this only pertains to
commercial broadcasts, cable and ISP content, but give them time...

http://www.crtc.gc.ca/eng/welcome.htm

73,

Mark
KC7BXS

At 04:33 PM 9/9/01, KC7ZRU - Tate wrote:

>http://www.wired.com/news/politics/0,1283,46655,00.html
>
>"The SSSCA says that it is illegal to create, sell or distribute "any
>interactive digital device that does not include and utilize certified
>security technologies" that are approved by the U.S. Commerce
>Department.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

264. [aprssig] Re: ALL software and hardware developers...

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 9 Sep 2001 14:55:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35196-2001.09.09-17.18.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Sep 09, 2001 at 03:33:10PM -0600, KC7ZRU - Tate wrote:
> http://www.wired.com/news/politics/0,1283,46655,00.html
>
> "The SSSCA says that it is illegal to create, sell or distribute "any
> interactive digital device that does not include and utilize certified
> security technologies" that are approved by the U.S. Commerce
> Department. An interactive digital device is defined as any hardware or
> software capable of "storing, retrieving, processing, performing,
> transmitting, receiving or copying information in digital form."

Hopefully that one won't get passed (at least in that form, preferably
not at all). Or if congress does pass it, the courts could have an
interesting time with it.

n7xy

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

265. [aprssig] Garmin GPS 45 Questions

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sun, 9 Sep 2001 16:59:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35203-2001.09.09-17.23.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Howdy All,
Is the GPS 45's firmware updateable? IOW, can I upload a new firmware
version to it. If so, where can I find the latest? (Assuming I don't already
have to latest.) I just got a hold of one for $50 at a local hamfest, and it
has Firmware v2.41. Is this the latest? If not, where can I find the latest?
Thanks in advance!
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
AHubIN APRS Internet Server - http://kb9uqq.d2g.com

266. [aprssig] Re: Garmin GPS 45 Questions

From: James Smith <k9apr@tawg.org>
Date: Sun, 09 Sep 2001 17:16:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-35210-2001.09.09-17.42.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Zach,

The GPS45 has been discontinued and has been replaced with the GPS48
model. It is unknown if you can upload the current firmware for the
GPS48 into the GPS45. Here is a link for all updates for the Garmin
units. http://www.garmin.com/support/download.html .

Send Garmin a email and see.

"Zachary Grant Michael, KB9UQQ" wrote:

> Howdy All,Is the GPS 45's firmware updateable? IOW, can I upload a
> new firmware version to it. If so, where can I find the latest?
> (Assuming I don't already have to latest.) I just got a hold of one
> for $50 at a local hamfest, and it has Firmware v2.41. Is this the
> latest? If not, where can I find the latest? Thanks in advance!73 de
> kb9uqqZachary Grant Michael, KB9UQQAHubIN APRS Internet Server -
> http://kb9uqq.d2g.com

--
73, James, K9APR
Chairman \ Coordinator
Tri-State APRS Working Group
http://www.tawg.org
Run a APRS Website? Why not join the APRS Webring.
http://www.tawg.org/join.htm

267. [aprssig] Re: Map Accuracy -- UIView versus WinAPRS

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 09 Sep 2001 19:19:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35222-2001.09.09-19.42.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"J.Duffy Beischel" wrote:
>
> So I guess to kind of net it all out, is that the maps themselves could be
> inaccurate and that the best thing to do would be to use the coordinates
> from a GPS unit, plug those coordinates into a program, and let the
> graphics symbol fall where it may on the map.

More to the point, the BEST PRACTICE is to use map data and a mapping
package that are consistent with the data you're getting from the GPS.

Garbage in, garbage out.

73, gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering

Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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268. [aprssig] D700 & PalmV/GPS

From: K2SAR@aol.com
Date: Mon, 10 Sep 2001 00:49:30 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35269-2001.09.10-00.13.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi
I have a Kenwood D700 and I am thinking of buying a Palm V or Vx and the
Magellan GPS that clips on to the Palm. Can anyone tell me if the Palm and
the Magellan will work with the D700.
Thank You
73 Keith

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

269. [aprssig] APRSDOS

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Mon, 10 Sep 2001 03:59:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35292-2001.09.10-03.24.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try checking the Date and time on both the PC and the TNC. One hour
difference will cancel all icons on the map, due to the fade rule.

Lee/KD4TQZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

270. [aprssig] Re: D700 & PalmV/GPS

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Mon, 10 Sep 2001 07:11:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35310-2001.09.10-06.44.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Would I be overstepping to say that the palm OR the magellan will work with
the d700? The palm only has one serial port.

Wes

----- Original Message -----
From: <K2SAR@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 10, 2001 00:49
Subject: [aprssig] D700 & PalmV/GPS

> Hi
> I have a Kenwood D700 and I am thinking of buying a Palm V or Vx and the
> Magellan GPS that clips on to the Palm. Can anyone tell me if the Palm and
> the Magellan will work with the D700.
> Thank You
> 73 Keith
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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271. [aprssig] mic-e repeater page

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 10 Sep 2001 07:31:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35313-2001.09.10-06.56.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some one asked a few weeks ago about where the mic-e repeater page was. I
forgot that I'd added mic-e information to my web page.
http://wes.johnston.net/aprs/aprs5.htm

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

272. [aprssig] Re: Garmin GPS 45 Questions

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 10 Sep 2001 07:43:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35315-2001.09.10-07.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a word .. No

I *still* have my old 45 but now run the GPS III. I upgraded the III's
firmware and could not find any file for the 45 (the cable fits both units)
so I asked Garmin. They replied that the 45 was not updateable, sorry.

Richard Amirault   N1JDU   Boston, MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Subject: [aprssig] Garmin GPS 45 Questions

> Howdy All,
> Is the GPS 45's firmware updateable? IOW, can I upload a new firmware
> version to it

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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273. [aprssig] Re: AWS Weather Stations and APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 10 Sep 2001 09:12:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-35325-2001.09.10-08.36.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ill forward it to the APRS SIG and see if anyone has done this?
If so, reply to wd3q@erols.com

On Sat, 8 Sep 2001, Eric Rosenberg wrote:

> My kids elementary school has a AWS"4Winds" weather station that is
> connected to the internet and Ch. 4 (WRC-TV) here in DC.
> I'm the point-of-contact for it and was wondering how I might be able
> to attach it to the APRS network (without itnerfering with the AWS
> functions).
>
> Has anyone ever done that interface?
>
> Thnaks in advance,

>
> Eric W3DQ
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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274. [aprssig] ISS Digi

From: "Kenny" <ve3kfk@rac.ca>
Date: Mon, 10 Sep 2001 14:03:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35369-2001.09.10-13.27.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi
Can any one confirm that the Digi on the ISS is still working.
Not heard it in 6 days.Would like to work it.
Tnxs
       Ken

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275. [aprssig] "forceful reject" from aprs.net?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Mon, 10 Sep 2001 14:29:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35372-2001.09.10-13.53.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi folks,

I was trying to connect today to aprs.net, and I get the following message:

14:27:27 Winsock error: Connection is forcefully rejected

Note, that nothing has been changed in my setup since last time I connected,
last Friday. Any clue what the remedy is?
thanks,

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

276. [aprssig] Re: "forceful reject" from aprs.net?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 10 Sep 2001 13:19:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35381-2001.09.10-14.43.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks like it's a connection refusal from the server. Found this on another application's FAQ site:

Question: Why does it say "Connection forcefully rejected"?
Answer: The Server may have forcefully rejected your connection, just try again...

Little bit of info from the MSDN site:
http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vcmfc98/html/_mfc_casyncsocket.3a3a.onc

onnect.asp

Seems the Winsock system generates this error when the server side of a connection request refuses the connection.

My guesses are:
        aprs.net has reached maximum allowed connections and won't allow anymore
        The server is down/broken/limping or otherwise PO'd. (not likely)
        Something else on the server end is PO'd at life (router, firewall, etc. also not likely)

Suggestions:
        Connect to a more local server that's connected to one of the 'big three'
        aprsdcsp.antelope.net is available ::blatant blow of own horn:: and is lightly used.

Really, there are a LOT of servers that have good connectivity to "the Big Three" - hit one of them, let the big three be accessed by the 'regional' servers. The more folks connect to their regional or local server, the better. Data is the same. Can only help the core group limp along further

73

"Ramon F. Kolb" wrote:
> Hi folks,
>
> I was trying to connect today to aprs.net, and I get the following message:
>
> 14:27:27 Winsock error: Connection is forcefully rejected
>
> Note, that nothing has been changed in my setup since last time I connected,
> last Friday. Any clue what the remedy is?
> thanks,
>
> --Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
> Join BEACONET^31 at 28.131! See http://go.to/BEACONet

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               ++++++++++++++++++++++++++++++++++++++++++++++++
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

277. [aprssig] Re: "forceful reject" from aprs.net?

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 10 Sep 2001 14:32:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35384-2001.09.10-14.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:19 PM 9/10/01 -0600, KC7ZRU - Tate wrote:
>Looks like it's a connection refusal from the server. Found this on
>another application's FAQ site:
>
>Question: Why does it say "Connection forcefully rejected"?
>Answer: The Server may have forcefully rejected your connection, just try
>again...

Don't you love helpful explanations?

I spent a week one day with MS, trying to uncover the meaning of "Extended error 13".
Apparently nobody knew.

--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here in my signature line, but due to the inability of sysadmins at TELOCITY to differentiate a signature line from the text of an email, I am forbidden to have it.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

278. [aprssig] Re: "forceful reject" from aprs.net?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Mon, 10 Sep 2001 15:32:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35386-2001.09.10-14.57.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would connect to one of the big three.... if they were just running at a
port that passes through my (company's) firewall. Who else (except for
aprs.net) is running at port 23?

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONET^31 at 28.131! See http://go.to/BEACONet

----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 10, 2001 15:19
Subject: [aprssig] Re: "forceful reject" from aprs.net?

> Looks like it's a connection refusal from the server. Found this on
another application's FAQ site:
>
> Question: Why does it say "Connection forcefully rejected"?
> Answer: The Server may have forcefully rejected your connection, just try
again...
>
> Little bit of info from the MSDN site:
>
http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vcmfc98/htm
l/_mfc_casyncsocket.3a3a.onconnect.asp
>
> Seems the Winsock system generates this error when the server side of a
connection request refuses the connection.
>
> My guesses are:
> aprs.net has reached maximum allowed connections and won't allow anymore
> The server is down/broken/limping or otherwise PO'd. (not likely)
> Something else on the server end is PO'd at life (router, firewall, etc.
also not likely)
>
> Suggestions:
> Connect to a more local server that's connected to one of the 'big three'
> aprsdcsp.antelope.net is available ::blatant blow of own horn:: and is
lightly used.
>
> Really, there are a LOT of servers that have good connectivity to "the Big
Three" - hit one of them, let the big three be accessed by the 'regional'
servers. The more folks connect to their regional or local server, the
better. Data is the same. Can only help the core group limp along further
>
> 73
>
>
> "Ramon F. Kolb" wrote:
> >
> > Hi folks,
> >
> > I was trying to connect today to aprs.net, and I get the following
message:
> >
> > 14:27:27 Winsock error: Connection is forcefully rejected
> >
> > Note, that nothing has been changed in my setup since last time I
connected,
> > last Friday. Any clue what the remedy is?
> > thanks,
> >
> > --Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
> > Join BEACONET^31 at 28.131! See http://go.to/BEACONet

>
>
> --
>   /\
> | CARC Repeater 146.940   DN62 |
> | http://groups.yahoo.com/group/RM-APRS |
> | "The Dungeon" at http://go.to/KC7ZRU |
> | LINUX user: 227845 http://counter.li.org/ |
>   ++
>
> ---
> You are currently subscribed to aprssig as: ramon@ieee.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

279. [aprssig] Re: "forceful reject" from aprs.net?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 10 Sep 2001 13:35:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35387-2001.09.10-15.00.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dang, maybe it is down.

aprs.net and www.aprs.net resolve out to the same IP - no ping response. Traceroute gets to a router(?)
at 216.84.219.11 and that's as far as it gets.

Also, what I was saying about the APRS servers (regional servers, etc) dosen't apply here <g>. Too qucik
 on the keyboard. www.aprs.net isn't first.aprs.net. My bad.

Even though it's still a good idea.

73

KC7ZRU - Tate wrote:
>
> Looks like it's a connection refusal from the server. Found this on another application's FAQ site:
>

--
               /\
               | CARC Repeater 146.940   DN62 |
               | http://groups.yahoo.com/group/RM-APRS |
               | "The Dungeon" at http://go.to/KC7ZRU |
               | LINUX user: 227845 http://counter.li.org/ |
               ++

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

280. [aprssig] testing

From: Mark Dieterich <n2pgd@arrl.net>
Date: Mon, 10 Sep 2001 16:16:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35390-2001.09.10-15.40.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Testing to make sure the aprs reflector is working...

Mark

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

281. [aprssig] Re: AWS Weather Stations and APRS

From: dougy@ruraltel.net (Doug Younker)
Date: Mon, 10 Sep 2001 11:27:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <wd3q@erols.com>
Message-ID: <LYR842-35399-2001.09.10-17.25.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,
Please post to the list or CC to me any suggestions/help you have for Eric.
Sounds similar to what I hope to accomplish in this area. make use of what
someone else has, to avoid spending resources duplicating what someone may*
be willing to share.-Doug, N0LKK

* you don't know if you don't ask. The first faculty advisor I approached
seems receptive to the idea. I did point out this wasn't an amateur radio
only beneficiary and that anyone willing to put forth the effort could
monitor the info. I'm mindful that I invited myself to the table as a guest
and will act accordingly. I'm also aware that there is a third party
involved that could nix all plans.

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@tapr.org>
Sent: Monday, September 10, 2001 8:12 AM
Subject: [aprssig] Re: AWS Weather Stations and APRS

: Ill forward it to the APRS SIG and see if anyone has done this?
: If so, reply to wd3q@erols.com
:
: On Sat, 8 Sep 2001, Eric Rosenberg wrote:
:
: > My kids elementary school has a AWS"4Winds" weather station that is
: > connected to the internet and Ch. 4 (WRC-TV) here in DC.
: > I'm the point-of-contact for it and was wondering how I might be able
: > to attach it to the APRS network (without itnerfering with the AWS
: > functions).
: >
: > Has anyone ever done that interface?
: >
: > Thnaks in advance,
: >
: > Eric W3DQ
: >
:
: de WB4APR@amsat.org, Bob
:
: ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
: PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
: CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
: APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
: APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
: MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
:
:
: ---
: You are currently subscribed to aprssig as: dougy@ruraltel.net
: To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
: Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
:

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282. [aprssig] Fw: Is it true? Worst Virus

From: "Bill" <wrbeck@en.com>
Date: Mon, 10 Sep 2001 20:51:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35433-2001.09.10-20.18.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "nooney" <nooney@ameritech.net>
To: "Chris, Brad, alex" <morschmed@hotmail.com>; "Shari & Paul Jasin"
<pjasin@mediaone.net>; "Jim & Mary Ellen Umerly" <jimum@core.com>; "Jim &
M.B. Nooney" <mbjnooney@aol.com>; "Bob Buckingham" <rbuk77@telocity.com>;

"Bill Beckman" <wrbeck@en.com>
Sent: Monday, September 10, 2001 5:12 PM
Subject: FW: Is it true? Worst Virus

: -----Original Message-----
: From: Kevin E. Smith [mailto:Kevin_E._Smith@bausch.com]
: Sent: Thursday, September 06, 2001 12:38 PM
: To: Brad A. Miller; De Salvo Smith; Lisa Lienhard; Scott Gillette;
: Steve&Kristi; Tom Schaefer; SmithTLSMITH@aol.com; TScha15215@aol.com; Beth
: Guzman; FOXYGMA101@aol.com; sparky2863@cs.com; tajk85@cs.com
: Subject: Fwd:Is it true? Worst Virus
: > > > Sent: Wednesday, September 05, 2001 10:12 AM
: > > > Subject: Fwd: Fw: Is it true? Worst Virus
: > > > WORST EVER VIRUS (CNN announced)
: > > > > > PLEASE SEND THIS TO EVERYONE ON YOUR CONTACT LIST !!
: > > > > > A new virus has just been discovered that has been
: > > > > > classified by Microsoft as the most destructive ever!
: > > > > > This virus was discovered yesterday afternoon by McAfee
: > > > > > and no vaccine has yet been developed. This virus simply
: > > > > > destroys Sector Zero from the hard disk, where vital
: > > > > > information for its functioning are stored.
: > > > > > This virus acts in the following manner: It sends itself
: > > > > > automatically to all contacts on your list with the title
: > > > > > "A Virtual Card for You."
: > > > > > As soon as the supposed virtual card is opened, the
computer
: > > > > > freezes so that the user has to reboot. When the
ctrl+alt+del
: > > > > > keys or the reset button are pressed, the virus destroys
: > > > > > Sector Zero, thus permanently destroying the hard disk.
: > > > > > Yesterday in just a few hours this virus caused panic in
New
: > > York,
: > > > > > according to news broadcast by CNN. This alert was received
: by
: > an
: > > > > > employee of Microsoft itself. So don't open any mails with
: > > subject:
: > > > > > "A Virtual Card for You."
: > > > > > As soon as you get this mail, delete it.
: > > > > > Please pass this mail to all of your friends. Forward this
to
: > > > > > everyone in your address book.

: > > > > > > >
: > > > > > > > >
: > > > > > > >
: > > > > > > > > I would rather receive this 25 times than not at all. Also:
: > Intel
: > > > > > > >
: > > > > > > > > announced that a new and very destructive virus was
: discovered
: > > > > > > >
: > > > > > > > > recently.
: > > > > > > >
: > > > > > > > > If you receive an email called "An Internet Flower For
You,"
: > > > > > > >
: > > > > > > > > do not open it. Delete it right away! This virus removes
all
: > > > > > > >
: > > > > > > > > dynamic link libraries (.dll files) from your computer.
: > > > > > > >
: > > > > > > > > Your computer will not be able to boot up !!
: > > > > > >
: > > > > > >
: > > > > > >
: > > > > > >
: > > > > >
: > > > > >
:
:

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283. [aprssig] Re: Fw: Is it true? Worst Virus

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 10 Sep 2001 20:01:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35436-2001.09.10-20.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>: > > > > > > > > PLEASE SEND THIS TO EVERYONE ON YOUR CONTACT LIST !!

Major hoax clue
--
Dave's Engineering Page: http://www.dvanhorn.org

I would have a link to http://www.findu.com/cgi-bin/find.cgi?KC6ETE-9 here
in my signature line, but due to the inability of sysadmins at TELOCITY to
differentiate a signature line from the text of an email, I am forbidden to
have it.

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284. [aprssig] Re: Fw: Is it true? Worst Virus

From: John Hansen <hansen@fredonia.edu>
Date: Mon, 10 Sep 2001 21:17:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35438-2001.09.10-20.42.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:01 PM 9/10/01 -0500, David VanHorn wrote:

>>: > > > > > > > > PLEASE SEND THIS TO EVERYONE ON YOUR CONTACT LIST !!
>
>Major hoax clue
>--
>Dave's Engineering Page: http://www.dvanhorn.org

Yup, I remember this from about 8-9 months ago. Look folks, is it too much
to ask to do a minimal amount of searching on the Internet before posting
this sort of thing to newsgroups?

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285. [aprssig] Re: Fw: Is it true? Worst Virus

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 11 Sep 2001 08:17:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35495-2001.09.11-07.39.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First off, it's not true. The letter is a total hoax. Total
fabrication.

Well, not total.

The destruction mentioned in the letter is fairly common for what a
lot of the destructive viri do. However, just to show what BS the
letter
is, if a virus did JUST that for it's destruction, it would be EASILY
recoverable with simple tools. Almost laughable. Not hardly the
'most destructive virus' kind of BS.

While your attempt at warning is laudable, I would suggest you NOT
post viri warnings to the forum. In case you haven't noticed, viri are
unfortunately a fact of life with computers. You should NEVER EVER
open ANY executable sent to you as email until it's verified. I don't
care if it's from your best friend or even your Mom. DON'T OPEN IT!!
If I personally get an executable, even from my boss, I check it out
first.
CALL and ask! Or send and email back and VERIFY it! Even then,
I run it though a virus checker.

If something totally new were to surface, well, then a warning to the
list
MIGHT be in order. But in general, the list is no place for 'generic'
virus warning emails. And DEFINITELY no place for hoax warnings.

Mike

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286. [aprssig] Re: Fw: Is it true? Worst Virus

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Tue, 11 Sep 2001 08:16:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35496-2001.09.11-07.41.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is off-topic. Please take the virus discussion off the SIG.

Thank-you for your cooperation,

Stan Horzepa, WA1LOU, APRSSIG administrator

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

287. [aprssig] Another virus hoax

From: bftet@netscape.net (Bill Tetens)
Date: Tue, 11 Sep 2001 10:29:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35508-2001.09.11-09.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see another virus hoax is circulating through the e-mail system. This virus or rather the description
of it circulated several months ago. This circulation is so some misfit can get his jollies by cloging
the e-mail system.

Have fun.

_____
Your favorite stores, helpful shopping tools and great gift ideas. Experience the convenience of buying online with Shop@Netscape! http://shopnow.netscape.com/

Get your own FREE, personal Netscape Mail account today at http://webmail.netscape.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

288. [aprssig] NTS for Texas and Oklahoma

From: Guy Story <kc5goi@tapr.org>
Date: Tue, 11 Sep 2001 10:42:47 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35513-2001.09.11-11.06.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Everyone can send NTS messaging to me at kc5goi or kc5hgoi-8 for Texas and Oklahoma.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

289. [aprssig] Attack on America

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Tue, 11 Sep 2001 22:12:26 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35527-2001.09.11-15.38.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know this is way off topic but I just want you guys to know that also outside America the attack on your country has hit hard. Almost all TV channels are filled with continues news about the attack.

I want to express that we, the Dutch people, feel great compassion for all of you who suffered and have to carry this big loss. We wish you all the strength and wisdom needed to overcome this butal and low attack. God bless you.

Kind regards,

Henk.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

290. [aprssig] Kenwood D700 Question

From: "Tony Annese" <kg4exa@hotmail.com>
Date: Tue, 11 Sep 2001 13:32:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35531-2001.09.11-15.51.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a fuse block connected directly to my car battery and my D700 is plugged into the fuse block. My ground is the same setup, ground strip direct to battery and D700 plugged into ground strip.

When I start my vehicle my D700 cycles power. I'm assuming it's because of the power draw from the

battery. Not a big deal. Everything comes back normal.

What has started happening is that my APRS is up on the A band and when power/display comes back the memory tag/frequency for the A band comes up blank. I am still on freq because I am receiving/transmitting fine. When I switch CTRL to the A band and key the hand mike the display comes back. The B band doesn't experience this.

Has anyone else experienced this and is there a fix or do I have to send it back to Kenwood?

Tony
KG4EXA

291. [aprssig] Re: Attack on America

From: "Gregory Beat" <gregory.beat@home.com>
Date: Tue, 11 Sep 2001 15:30:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35535-2001.09.11-15.54.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Henck -

Many of the tenants of the World Trade Center were foreign financial firms. Tower 2 (South Tower) housed the offices for ABN AMRO - New York, one of my former clients. My condolences.

G. Beat
w9gb

----- Original Message -----
From: "Henk de Groot" <henk.de.groot@hetnet.nl>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, September 11, 2001 3:12 PM
Subject: [aprssig] Attack on America

> I know this is way off topic but I just want you guys to know that also
> outside America the attack on your country has hit hard. Almost all TV
> channels are filled with continues news about the attack.
>
> I want to express that we, the Dutch people, feel great compassion for all
> of you who suffered and have to carry this big loss. We wish you all the
> strength and wisdom needed to overcome this butal and low attack. God
bless
> you.
>
> Kind regards,
>
> Henk.
>
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

292. [aprssig] Anyone using Motorola M12 Oncore?

From: "Mark Conner" <mconner1@home.com>
Date: Tue, 11 Sep 2001 15:40:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "KNSP" <KNSP@yahoogroups.com>, "TVNSP List" <tvnsp@yahoogroups.com>
Message-ID: <LYR842-35537-2001.09.11-16.04.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been looking over lightweight low-power OEM GPS boards and have found that the Motorola Oncore M12 module seems to meet my needs. Anyone have positive or negative experiences with this unit?

For those who want a few more details, check http://www.synergy-gps.com/. The price sheet I got from them indicates about $90 for quantities from 1 to 99. The main Motorola site is down at the moment.

The same site also had mini GPS antennas for under $30.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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293. [aprssig] Re: Kenwood D700 Question

From: "Tony Annese" <kg4exa@hotmail.com>
Date: Tue, 11 Sep 2001 14:59:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35546-2001.09.11-17.19.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I understand about the battery. My concern isn't so much about the battery drain on startup but on the display of the D700 and has anyone else encountered the display blanking and would this be caused by the drain and what does it take to fix it?

Tony
KG4EXA
  ----- Original Message -----
  From: dodom@mindspring.com
  To: Tony Annese
  Sent: Tuesday, September 11, 2001 2:52 PM
  Subject: Re: [aprssig] Kenwood D700 Question

  I suggest you have your car battery checked for starting capacity. The car battery should act as a very large capacitor on the A lead. I suspect the capacity of the battery is not adequate. I have found this in many commercial radio installations. The car would still start but the capacity of the battery was at the end of its useful life. I use a cig plug and have no problems with my D700 resetting.
    ----- Original Message -----
    From: Tony Annese
    To: TAPR APRS Special Interest Group
    Sent: Tuesday, September 11, 2001 4:32 PM
    Subject: [aprssig] Kenwood D700 Question

    I have a fuse block connected directly to my car battery and my D700 is plugged into the fuse block. My ground is the same setup, ground strip direct to battery and D700 plugged into ground strip.

    When I start my vehicle my D700 cycles power. I'm assuming it's because of the power draw from the battery. Not a big deal. Everything comes back normal.

    What has started happening is that my APRS is up on the A band and when power/display comes back the memory tag/frequency for the A band comes up blank. I am still on freq because I am receiving/transmitting fine. When I switch CTRL to the A band and key the hand mike the display comes back. The B band doesn't experience this.

    Has anyone else experienced this and is there a fix or do I have to send it back to Kenwood?

    Tony
    KG4EXA

294. [aprssig] Aftermath of WTC bombing...what it means to us...

From: Jim Duncan <ku0g@kcaprs.org>
Date: Tue, 11 Sep 2001 18:04:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35552-2001.09.11-18.28.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Certainly today's tragedy is an awful, unthinkable, and inconscienable act for which we all pray for those involved in any way. Surely as a nation we will rapidly move to make a stand and to send a very strong message to the rest of the world.

What does this mean for APRS?

First, it goes without saying that ANY electronic device will most
likely be banned from use on board commercial aircraft for a very long
time.

Second, while I haven't noticed any particular degradation of GPS
resolution today, it should NOT be an unexpected outcome to see
selective availability switched on and off as the events of the coming
days, weeks, and months play out.

Third, as an open source of plotting and tracking, we should all think
carefully before uplinking of objects to APRS which could be used by a
potential enemy.

I think that todays events dictate that we, the APRS community,
seriously reconsider how we do things.

I believe that the TCP/IP stream represents a very real means which a
potential terrorist could use to communicate or to possibly establish
targeting data.

For those of you outside of the US and Canada, I do not intend to
belittle, adjudicate, nor accuse you of anything and I dearly hope that
nobody will assume any such intent.

Consequently, with the borders of the United States closed (at least
last I heard we were closed indefinitely) I believe that prudence
dictates some level of restricted access to the IP stream.

At this time I believe that it is our duty to address our security once
again and to take steps to ensure that security.

Finally, we should all remember that today acts were most likely the
actions of a small group of fanatics and as amateurs we hold an awesome
power and ability in our hands to promote understanding, brotherhood,
and unity among all of the peoples of the world regardless of their
background. Let us try to do our part to take the high moral ground as
we all attempt to work through our emotions and personal losses.

My prayers and thoughts are with those of you who have lost friends or
relatives or may be awaiting notification of the safety of loved ones in
the wake of todays heinous acts of barbarism.
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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295. [aprssig] San Francisco Grand Prix

From: Robert Michaud <r.michaud@glumac-sf.com>
Date: Tue, 11 Sep 2001 16:41:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35554-2001.09.11-19.06.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I view of today's events this will be very short and I will follow up later
with a full report.
The use of APRS for the bike race was very successful. Thanks for all the
help from many on this sig.

Robert, KD6INI

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

296. [aprssig] Re: Kenwood D700 Question

From: "W5HJS" <w5hjs@home.com>
Date: Tue, 11 Sep 2001 20:02:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-35557-2001.09.11-20.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi I had my D700 give false call sign reports after a engine start up. with high power drain on the battery..to spot this i put a large capacitor in the line, like ones used on car radios that have large amps ..they are not cheap but u can tell thy carry enough power to run the radio on receive for a good 15 sec with the power disc..harold

Original Message -----
From: Tony Annese
To: TAPR APRS Special Interest Group
Sent: Tuesday, September 11, 2001 3:32 PM
Subject: [aprssig] Kenwood D700 Question

I have a fuse block connected directly to my car battery and my D700 is plugged into the fuse block. My ground is the same setup, ground strip direct to battery and D700 plugged into ground strip.

When I start my vehicle my D700 cycles power. I'm assuming it's because of the power draw from the battery. Not a big deal. Everything comes back normal.

What has started happening is that my APRS is up on the A band and when power/display comes back the memory tag/frequency for the A band comes up blank. I am still on freq because I am receiving/transmitting fine. When I switch CTRL to the A band and key the hand mike the display comes back. The B band doesn't experience this.

Has anyone else experienced this and is there a fix or do I have to send it back to Kenwood?

Tony
KG4EXA

297. [aprssig] The Attack on America

From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Date: Tue, 11 Sep 2001 21:19:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35560-2001.09.11-20.42.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, I know, way off topic, and I'm now in Stan's
'bad books' - but I echo Henk's and many other
Amateur's feelings, when I wish to express; First
my deepest condolances to the People of the United
States.

And secondly, to my many friends in "W2" land ...
many of whom will have a vacant place at the dinner
table this evening; and for all time. (Think about it.)

I would ask you all, no matter what your Faith,
to say a special prayer to our Divine Creator, that
there be a special strenght to those many families
who now are broken hearted. Let us also pray, that
the "Right Reason of Rule" guide all our hearts as
we work together, hand in hand, nation with nation,
as we all work to discover the Truth !

There is a bitter wind blowing upon us all; but I
hope, a stronger and better N.A. will rise up from
this disaster.

My vy 73 to you all, John VE3NEC
905-873-8715

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

298. [aprssig] [Fwd: no words]

From: Kevin Deckert <kdeckert@wellsgray.net>
Date: Tue, 11 Sep 2001 22:35:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35591-2001.09.12-01.00.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> no words,
> only thoughts,
> prayers
> and

> tears.....
> throughout the world we are united in tremendous grief.
>
> ve7whk

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

299. [aprssig] T T

From: "Allen D. Alter" <n2radio@triton.net>
Date: Wed, 12 Sep 2001 07:11:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35595-2001.09.12-06.34.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have two Tiny Trak moduals. I built one. It lites up but
my computer cant find it. I down loaded TT software and it
says it dont see it. The searal port wouldnt see the MFJ
1278 TNC Does anyone have a computer fix?
Thanks
Allen Alter~~KC8OTI
Mason Co Amateur Radio Club
Treasurer, APRS846 Dos
Location Grid Square EN63wx
Email to   kc8oti@arrl.net or
n2radio@triton.net
73

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300. [aprssig] D700 clock

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 12 Sep 2001 10:21:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35623-2001.09.12-09.45.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In light of the tradgedy yesterday my condolences go out to all the people who we will miss. With such a great loss of life, people from every walk of life will be affected by the loss of friends or familiy.
  Arte Booten where are you?

Does everyone else's d700 station list show times like 31:05 and 24:15 when we get past 8pm (est)? Is there a reason for my clock to not wrap back to 00:00 at midnight? I have run the clock in UTC and UTC -4 timezones with the same results...

Wes

301. [aprssig] Re: T T

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Wed, 12 Sep 2001 09:30:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35632-2001.09.12-10.54.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well,

Me, I'd start doing serial port diags on your computer. As to suggesting how you go about this - not enough inormation.

What OS you running?
What tools do you have (any loopback plugs, softare, etc?)?
How comfortable are you at diagnosing serial port problems?

With out the above, I'd suggest you find your local PC geek/elmer and ask 'em to check out your serial ports. Once you *know* they're working correctly, then you can look at what you're hang'n off 'em or what you're using to talk through 'em.

Good luck

73

"Allen D. Alter" wrote:
>
> I have two Tiny Trak moduals. I built one. It lites up but
> my computer cant find it. I down loaded TT software and it
> says it dont see it. The searal port wouldnt see the MFJ
> 1278 TNC Does anyone have a computer fix?
> Thanks
> Allen Alter~~KC8OTI
> Mason Co Amateur Radio Club
> Treasurer, APRS846 Dos
> Location Grid Square EN63wx
> Email to   kc8oti@arrl.net or
> n2radio@triton.net
> 73

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               ++++++++++++++++++++++++++++++++++++++++++++++++
```

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302. [aprssig] Re: T T

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Wed, 12 Sep 2001 09:43:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35637-2001.09.12-11.08.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Allen , do you have a GPS hooked up ? If I leave my tripmate hooked up I
cant get tp the tini , so for serial I used a stero mini jack that
disconects the GPS when I plug in the serial to talk to the Tiny , you
could also put a resistor in the GPS line , but I liked the NC jack more

>
> "Allen D. Alter" wrote:
> >
> > I have two Tiny Trak moduals. I built one. It lites up but
> > my computer cant find it. I down loaded TT software and it
> > says it dont see it. The searal port wouldnt see the MFJ
> > 1278 TNC Does anyone have a computer fix?
> > Thanks
> > Allen Alter~~KC8OTI
> > Mason Co Amateur Radio Club
> > Treasurer, APRS846 Dos
> > Location Grid Square EN63wx
> > Email to   kc8oti@arrl.net or
> > n2radio@triton.net
> > 73
>
>
> --
> ```
>                /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
>                |       CARC Repeater 146.940     DN62        |
>                |    http://groups.yahoo.com/group/RM-APRS    |
>                |    "The Dungeon" at http://go.to/KC7ZRU     |
>                | LINUX user: 227845  http://counter.li.org/  |
>                ++++++++++++++++++++++++++++++++++++++++++++++++
> ```
>
> ---
> You are currently subscribed to aprssig as: n0zed@rmaprs.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

303. [aprssig] APRS Groups in SW Ohio?

From: Phil Reed <preed@dnaco.net>
Date: Wed, 12 Sep 2001 11:55:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35638-2001.09.12-11.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are there any APRS interest or coordinating groups active in southwest
Ohio? (I'm near Dayton. There's a huge amount of APRS traffic here.)

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

304. [aprssig] Re: APRS Groups in SW Ohio?

From: Ryan Wilkins <ryan@deadfrog.net>
Date: Wed, 12 Sep 2001 12:02:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-35639-2001.09.12-11.26.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I believe there is a group out that way called TAWG (Tri-state APRS Working
Group). Don't know much else about them.

Ryan N8YHV

On Wed, 12 Sep 2001, Phil Reed wrote:

> Are there any APRS interest or coordinating groups active in southwest
> Ohio? (I'm near Dayton. There's a huge amount of APRS traffic here.)
>
> ---
>
>   ...phil / w8sca
>
> "For a list of all the ways technology has failed
>   to improve the quality of life, press 3."
>
>
> ---
> You are currently subscribed to aprssig as: RYAN@DEADFROG.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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305. [aprssig] Re: APRS Groups in SW Ohio?

From: "Randy Allen - KA□AZS" <ka0azs@commkey.net>
Date: Wed, 12 Sep 2001 12:44:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35650-2001.09.12-12.08.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check out: http://www.tawg.org/ Also feel free to drop me a line via
e-mail or APRS message (KA□AZS home station up 24/7)

73

----- Original Message -----
From: Phil Reed <preed@dnaco.net>

Sent: Wednesday, September 12, 2001 11:55:51 AM
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Subject: [aprssig] APRS Groups in SW Ohio?

> Are there any APRS interest or coordinating groups active in southwest
> Ohio? (I'm near Dayton. There's a huge amount of APRS traffic here.)
>
> ---
>
>   ...phil / w8sca

Randy Allen, KA□AZS, TAWG OH56
Asst. EC Montgomery CO Ohio
OH Dist 3 ARES Web Page
www.qsl.net/ohd3ares

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306. [aprssig] TNOSaprs/JNOSaprs 1.08.02 is available - website cleaned up, updated docs

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Wed, 12 Sep 2001 13:35:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35667-2001.09.12-14.01.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

TNOSaprs and JNOSaprs (1.08.02) are now available to the masses.

TNOS and JNOS update kits, documentation, release history, etc, can
be found at the following website :

  http://www.qsl.net/ve4klm/packet/aprss.html

The xNOSaprs is an APRS Server (IGATE) software that is integrated
into the TNOS and JNOS systems, allowing those systems to support
APRS activities without the need to setup new radio ports or
separate software.

If you have questions or comments, please feel free to contact me.

73 de Maiko Langelaar / VE4KLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

307. [aprssig] DCC

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Sep 2001 16:55:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35684-2001.09.12-16.19.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone driving to DCC in Cincinatti from the Wash DC or Baltimore
areas? Flights are now $700.

With the launch of PCsat slipping a day or so, scheduling is getting real
tight.

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

308. [aprssig] N5WWY-5

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 12 Sep 2001 19:12:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-35709-2001.09.12-19.37.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

N5WWY-5 has a problem. I could not find an email address for him at
QRZ.Com.

He is sending an incredible amount of garbaged packets on the Internet
feed. In a 10 minute period I saw 324 packets similar to the following:

N5WWY-5>APP116,RELAY*,WIDE,WIDE:Oy]*/Wiwe/Wiwe;we;[eOy]*/Wiwe/Wiwe;g775?
/WiMN5WWY-5?}==7/[eOy]*/Wiwe/Wiwe;weMN5WWY-5?}9=7/[eOy]*/Wiwu/Wiwe;?sOMy
]-O/W.oN5NGW>ID:N5NGW/R RELAY/D N5NGW-1/B

If someone has his email address please advise.

Bill KC9XG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

309. [aprssig] Ham Radio Sit-Rep - Imminent Hostilities

From: Bernie Kopp KB9KEF <bkopp@execpc.com>
Date: Wed, 12 Sep 2001 19:35:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-35710-2001.09.12-19.58.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A significant and overt act of aggression has directly impacted the
inhabitants
and sovereign soil of our nation. The role of amateur radio in this
national
crisis has not yet been clearly defined. However, a couple of points can
be
derived from the ARRL posting of 9/11 (posted in it's entirety below).

Item #1

"The FCC's Riley Hollingsworth today suggested that the amateur
community
remain calm but ready. He invited amateurs monitoring any suspicious
radio
activity to contact him via e-mail (mailto:rholling@fcc.gov), and he
will relay
relevant information to the FCC duty team. "You never know," he said. He
advised
monitors to tape such radio traffic, if possible."

Item #2

"Should a state of war be declared, Amateur Radio would not
automatically be
shut down. The section of FCC rules requiring this--§214(b)(4) of Title
47 CFR Chapter II--was eliminated prior to the Gulf War."

I am not aware of any guidance at the local level here. Be this as it
may, one
should refer to the ARRL website for additional official FCC/ARRL
information.

A calm, prepared and professional stance should be assumed by the entire
amateur radio community pending further developments.

God Bless Our Republic....
---
http://www.arrl.org/news/stories/2001/09/11/1/?nc=1

FCC, Federal Agencies Shut Down in Wake of Terrorist Attacks

NEWINGTON, CT, Sep 11, 2001--Along with most other federal agencies, the
FCC has closed its offices and sent its employees home in the wake of
apparent
terrorist attacks this morning in New York City, Washington, DC, and
elsewhere.
The FCC has issued no emergency declaration nor other special
instructions to the
Amateur Radio community. The ARRL has advised amateurs to stay alert to
instructions from local authorities. President George W. Bush has

announced that
the US military is on high alert in the US and abroad.

US air traffic was shut down after two airliners struck the twin towers of the
110-story World Trade Center in New York City this morning within a short
time of each other. The buildings towers partially collapsed in the wake of
the collisions. An aircraft subsequently crashed into the Pentagon, and another
aircraft crashed near Pittsburgh, reportedly after being hijacked. American
Airlines and United Airlines both have acknowledged that they have lost planes
this morning. More than 260 died in the crashes. Thousands were believed injured
in New York City; there's no estimate on the number killed.

New York City-Long Island Section Emergency Coordinator Tom Carrubba,
KA2D, said there has been no request for any Amateur Radio Emergency Service
response at this time. New York City's Office of Emergency bunker, located
adjacent to the World Trade Center, is reported operational and intact. He
said he was alerting all amateurs, especially ARES and Radio Amateur Civil
Emergency Service personnel, to get prepared and to stand by. Carrubba
reported that he was not hearing any traffic from NYC hams on their TAC1
VHF frequency. "All land-line circuits are jammed," he said. "We are all
on standby."

Carrubba said he's in the process of setting up a command channel on a linked
repeater system that will cover from New York City and into Long Island's
Suffolk County. Kenneth Goetz, N2SQW, reports New York State RACES is operational
on 3.993.5 and 7.248 MHz handling emergency and governmental-type traffic. He
asked amateurs to avoid these frequencies. "Please be alert, prepared and
patient," Carrubba said.

In the Washington, DC, area, Virginia SEC Tom Gregory, N4NW, says Virginia
ARES has been put on alert but has not yet been activated. "I've asked
everyone to monitor the emergency frequencies and to keep a full tank of gas."
He said the attack on Washington has resulted in a massive traffic jam as
workers in DC attempt to leave the capital. He said cellular telephone
communication was next-to-impossible. "Due to the terrorist activities today,
we must remain ready for any eventuality," Gregory added. While no emergency
nets are yet in operation, Gregory said all repeaters would be available as
well as 7.243 MHz and 3.947 MHz on HF.

Virginia RACES reportedly has been activated at the state emergency operations
center at Virginia State Police headquarters in Richmond. This was said to be
a precautionary measure, not a statewide callup.

ARES and RACES organizations are locally managed, and word of additional
activations or of direct ham radio involvement in the affected areas is not
known at this time.

The FCC's Riley Hollingsworth today suggested that the amateur community
remain calm but ready. He invited amateurs monitoring any suspicious radio
activity to contact him via e-mail, and he will relay relevant information
to the FCC duty team. "You never know," he said. He advised monitors to
tape

such radio traffic, if possible.

The federal government has activated its SHARES HF emergency
communications
system.

Should a state of war be declared, Amateur Radio would not automatically
be
shut down. The section of FCC rules requiring this--§214(b)(4) of Title
47 CFR Chapter II--was eliminated prior to the Gulf War.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

310. [aprssig] KU0G - Can you PLEASE fix this???

From: kbrown@powerhouseproductions.com (Kevin Brown)
Date: Wed, 12 Sep 2001 20:17:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35715-2001.09.12-20.43.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This has happened off and on most of the day. It is consuming TREMENDOUS
amounts of bandwidth in Mid Missouri. It has happened several times,
and it always goes away usually fairly quick. It's time to drop the
IGATE until you figure out what's broke.

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APD214,TCPIP,KU0G*:!4155.91N/0880
8.02WI a
prsd Linux APRS Server

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APRS,TCPIP,KU0G*::KB0PXP   :W9DA
Carol_St
ream_IL w9da-1.ampr.org 44.72.26.1 kb9ktc@ilcar.net aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdROM>APRS,TCPIP,KU0G*::KB0PXP
:VE7ROM-15 Kelo
wna_BC zork.platinum.net 209.52.93.253 ve7rom@rac.ca aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}EA3AKS>APRS,TCPIP,KU0G*::KB0PXP   :EA3AKS
SAnt_Pere
_De_Ribes_EA3 ea3aks.org 192.168.5.2 ea3aks@ea3aks.org aprsd
2.1.3.vk3sb.1

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsd1G0>APRS,TCPIP,KU0G*::KB0PXP   :K8TIH
BwlGrn_O
H wcarc.bgsu.edu 129.1.231.138 webmaster@wcarc.bgsu.edu aprsd
2.1.4.vk3sb.1

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdATL>APRS,TCPIP,KU0G*::KB0PXP
:KC7EFP-1 Phoen
ix_AZ cx588129-b.fwlr1.az.home.com 65.5.240.154 kc7efp@home.com aprsd
2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}DG2YIC-4>APRS,TCPIP,KU0G*::KB0PXP
:DG2YIC-4 Minde
n_DL server 62.145.29.116 dg2yic@afunetz.de aprsd 2.1.0.vk3sb.5

KU0G>APW251,KC0IRJ-3*,WIDE4:}W9YT>APRS,TCPIP,KU0G*::KB0PXP   :W9YT-3
Madison_WI
w9yt.engr.wisc.edu 128.104.187.127 wo9u@arrl.net aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsWTX>APRS,TCPIP,KU0G*::KB0PXP   :KC5ETV
West apr
swtx.dyndns.org 24.116.92.251 kc5etv@home.com aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}KA9KIM>APRS,TCPIP,KU0G*::KB0PXP   :N0CLU
Holland_MI
 harc.hoho.org 216.120.184.236 ka9kim@k8daa.ampr.org aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdELP>APRS,TCPIP,KU0G*::KB0PXP
:N5FAZ-2 ElPaso
_TX server.home.n5faz.org 192.168.10.10 faz@dzn.com aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdJPAA>APRS,TCPIP,KU0G*::KB0PXP

```
:OH2JBB Jarven
paa_Finland servo 127.0.0.0 oh2jbb@sral.fi aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdZGZ>APRS,TCPIP,KU0G*::KB0PXP
:EA2AAA-1 Zarag
oza_Spain ea2aaa.sytes.net 192.168.0.0 ea2cmn@amsat.org aprsd
2.1.4.vk3sb.1

KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdSAO>APRS,TCPIP,KU0G*::KB0PXP
:ZZ2RMV-5 Sao a
prs.cq.com.br 200.197.174.102 py2rn@hotmail.com aprsd 2.1.4

KU0G>APW251,KC0IRJ-3*,WIDE4:1

KU0G>APW251,KC0IRJ-3*,WIDE4-2:}aprsdATL>APRS,TCPIP,KU0G*::KB0PXP
:K6TPK-7 Conc
ord, concord 44.4.34.64 tpk@cnunix.com aprsd 2.1.0


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

311. [aprssig] RE: KU0G - Can you PLEASE fix this???

```
From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 12 Sep 2001 20:54:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35724-2001.09.12-21.19.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

Kevin,

These packets appear to be responses to an ?IGATE? query that was sent by KB0PXP.

I assume that KB0PXP's ?IGATE? query was gated by KU0G, who in turn gated the responses to your local RF network.

If these packets are gated to RF, they can quickly overwhelm your local RF network.

Bill KC9XG

```
On Wednesday, September 12, 2001 8:18 PM, Kevin Brown [SMTP:kbrown@powerhouseproductions.com] wrote:
> This has happened off and on most of the day. It is consuming TREMENDOUS
> amounts of bandwidth in Mid Missouri.  It has happened several times,
> and it always goes away usually fairly quick.  It's time to drop the
> IGATE until you figure out what's broke.

> KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APD214,TCPIP,KU0G*:!4155.91N/0880
> 8.02WI a
> prsd Linux APRS Server

> KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APRS,TCPIP,KU0G*::KB0PXP   :W9DA
> Carol_St
> ream_IL w9da-1.ampr.org 44.72.26.1 kb9ktc@ilcar.net aprsd 2.1.4


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

312. [aprssig] Re: N5WWY-5

```
From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Wed, 12 Sep 2001 22:22:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-35726-2001.09.12-21.48.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

Bill, I don't know.... so i'll copy the sig on this... it was APP116 that
was the application on this end too...

Wes

```
----- Original Message -----
From: "Bill Diaz" <billdiaz@megsinet.net>
To: "'Wes Johnston'" <kd4rdb@netzero.com>
Sent: Wednesday, September 12, 2001 22:16
```

Subject: RE: [aprssig] N5WWY-5

> Wes,
>   What application signs with APP116 ? Is that Pocket APRS?
>
> > >
> N5WWY-5>APP116,RELAY*,WIDE,WIDE:Oy]*/Wiwe/Wiwe;we;[eOy]*/Wiwe/Wiwe;g775?
> > >
> /WiMN5WWY-5?}==7/[eOy]*/Wiwe/Wiwe;weMN5WWY-5?}9=7/[eOy]*/Wiwu/Wiwe;?sOMy
> > >]-O/W.oN5NGW>ID:N5NGW/R RELAY/D N5NGW-1/B
>
> Any packet that contains extende char will cause the aprsd servers to
> append a packet to the end of the first packet. aprsd will either delete
> the extended char, replace it with a space, or force it to 7 bits,
> depending on the source of the data.
>
> This packet has a packet from N5NGW appended to it. Not only do we see
the
> garbage packet, but another packet may be lost in the process.
>
> Bill KC9XG
>
> On Wednesday, September 12, 2001 9:07 PM, Wes Johnston
> [SMTP:kd4rdb@netzero.com] wrote:
> > We had a similar thing today from a station in Orangeburg SC. I wrote
> him
> > an email about it, and haven't heard back, but the traffic stopped. I
do
> > not have a log of it, but it's very similar (but different) to what you
> have
> > shown.
> >
> > Wes
> >
> > ----- Original Message -----
> > From: "Bill Diaz" <billdiaz@megsinet.net>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Wednesday, September 12, 2001 20:12
> > Subject: [aprssig] N5WWY-5
> >
> >
> > > N5WWY-5 has a problem. I could not find an email address for him at
> > > QRZ.Com.
> > >
> > > He is sending an incredible amount of garbaged packets on the Internet
> > > feed. In a 10 minute period I saw 324 packets similar to the
> following:
> > >
> > > If someone has his email address please advise.
> > >
> > > Bill KC9XG
> > >
> > > ---
> > > You are currently subscribed to aprssig as: kd4rdb@netzero.com
> > > To unsubscribe send a blank email to
> leave-aprssig-842K@lists.tapr.org
> > > Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
> > >
> > >
> >
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

313. [aprssig] RE: KU0G - Can you PLEASE fix this???

From: kbrown@powerhouseproductions.com (Kevin Brown)
Date: Wed, 12 Sep 2001 22:22:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35733-2001.09.12-22.48.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill,

I sent you a personal response already. But on another note... can
anyone describe a truly useful need for this feature?

A need that would be broken if IGATES only responded to stations that
are within a predetermined/configurable radius? In these packets, I see
the PHX and ELP IGATES among others responded...which are of absolutely
no use to this user.

Is there another way for an IGATE op to remove these responses from
being gated to RF? Other than adding them to the XLIST which would be a
manually entered, constantly being updated list?

-----Original Message-----
From: bounce-aprssig-20679@lists.tapr.org
[mailto:bounce-aprssig-20679@lists.tapr.org] On Behalf Of Bill Diaz
Sent: Wednesday, September 12, 2001 8:55 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: KU0G - Can you PLEASE fix this???

Kevin,

These packets appear to be responses to an ?IGATE? query that was sent
by KB0PXP.

I assume that KB0PXP's ?IGATE? query was gated by KU0G, who in turn
gated the responses to your local RF network.

If these packets are gated to RF, they can quickly overwhelm your local
RF network.

Bill KC9XG
On Wednesday, September 12, 2001 8:18 PM, Kevin Brown
[SMTP:kbrown@powerhouseproductions.com] wrote:
> This has happened off and on most of the day. It is consuming
TREMENDOUS
> amounts of bandwidth in Mid Missouri. It has happened several times,
> and it always goes away usually fairly quick. It's time to drop the
> IGATE until you figure out what's broke.

>
KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APD214,TCPIP,KU0G*:!4155.91N/0880
> 8.02WI a
> prsd Linux APRS Server

> KU0G>APW251,KC0IRJ-3*,WIDE4:}aprsdW9DA>APRS,TCPIP,KU0G*::KB0PXP
:W9DA
> Carol_St
> ream_IL w9da-1.ampr.org 44.72.26.1 kb9ktc@ilcar.net aprsd 2.1.4

You are currently subscribed to aprssig as:
kbrown@powerhouseproductions.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

314. [aprssig] RE: KU0G - Can you PLEASE fix this???

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 13 Sep 2001 06:21:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35771-2001.09.13-06.45.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRSD does not respond properly to an ?IGATE? query. That is where the
problem is. Look at the spec. The response to an ?IGATE? query is
supposed to be (quoted):

A station may define a set of one or more attributes of the station,
known as

Station Capabilities. The station transmits its capabilities in response
to an
IGATE query (see below), using the < Data Type Identifier.
Each capability is a TOKEN or a TOKEN=VALUE pair. More than one
capability may be on a line, with each capability separated by a comma.
Currently defined capabilities include:
IGATE,MSG_CNT=n,LOC_CNT=n
where IGATE defines the station as an IGate, MSG_CNT is the number of
messages transmitted, and LOC_CNT is the number of "local" stations
(those
to which the IGate will pass messages in the local RF network).

NOTE: This is not a message response (which is what APRSD is doing
causing all the traffic) but a < data type packet. The example response
shown is <IGATE,MSG_CNT=43,LOC_CNT=14. Software writers, please update
your programs to match the spec. Then, only local IGATES would respond
to the ?IGATE? query on RF (which is the intent of the query).
Responses over the Internet would stay there, allowing software on the
Internet to still identify IGates.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Kevin Brown [mailto:kbrown@powerhouseproductions.com]
Posted At: Wednesday, September 12, 2001 10:26 PM
Subject: [aprssig] RE: KU0G - Can you PLEASE fix this???

Bill,

I sent you a personal response already. But on another note... can
anyone describe a truly useful need for this feature?

A need that would be broken if IGATES only responded to stations that
are within a predetermined/configurable radius? In these packets, I see
the PHX and ELP IGATES among others responded...which are of absolutely
no use to this user.

Is there another way for an IGATE op to remove these responses from
being gated to RF? Other than adding them to the XLIST which would be a
manually entered, constantly being updated list?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

315. [aprssig] Re: APRS+SA Maps

From: Fjgrant@aol.com
Date: Thu, 13 Sep 2001 07:40:50 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35773-2001.09.13-07.04.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gentlemen:

Just reading and mail from several days ago. I am facing a similar problem
and was wondering what the resolution might be.

My situation: I am setting up a Search and Rescue Game for the BSA Fall
Camporee in N. Georgia, (Oct 26-29). The area really has no major landmarks
that appear on WIN APRS maps or APRS SA maps. I want to use the draw and
annotate functions of SA 8.0 to set some up so that the Scouts can watch as
the teams move from location to location and it will be meaningful to them.
What is the best way to do this?

I guess that what it comes down to is that I do not understand maps, overlays
and areas like that very well. Is there an Elmer out there whos been there
and done it?

Also interested if anyone has some trackers to lend out for 3 days that the
Scout teams can carry. You're welcome to help run the Command Post as well.

Please advise.

73's

Fred
W4FJG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

316. [aprssig] RE: KU0G - Can you PLEASE fix this???

From: Bill Diaz <billdiaz@megsinet.net>
Date: Thu, 13 Sep 2001 07:04:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35778-2001.09.13-07.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kevin

On Wednesday, September 12, 2001 10:22 PM, Kevin Brown [SMTP:kbrown@powerhouseproductions.com] wrote:
> Bill,
>
> I sent you a personal response already. But on another note... can
> anyone describe a truly useful need for this feature?
>
> A need that would be broken if IGATES only responded to stations that
> are within a predetermined/configurable radius? In these packets, I see
> the PHX and ELP IGATES among others responded...which are of absolutely
> no use to this user.

Pete, AE5PL pointed out in another post that the responses to an ?IGATE?
query from aprsd do not conform to the spec. The length of some of these
responses also may violate the spec.

IMO, an IGATE query from an RF station should only see reponses from IGATES
within 2 or 3 hops. This query should not be relayed to the Internet. This
would greatly reduce the number of responses gated to the local RF network.

> Is there another way for an IGATE op to remove these responses from
> being gated to RF? Other than adding them to the XLIST which would be a
> manually entered, constantly being updated list?
>
The AFilter Xlist feature could be used to reject packets from selected
users.

I will be adding a feature to AFilter to reject ?IGATE? queries from RF
stations that are received via the client port. These queries will not be
passed to the Internet.

Bill KC9XG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

317. [aprssig] Using small 'PC compatible' boards...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 13 Sep 2001 10:07:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35786-2001.09.13-09.29.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just wondered if anyone was using small PC compatible boards for
anything. Things like trackers or data manipulators.

Things like the EM-520 boards....

(Can you tell there's a hint of something in this?)

Mike

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

318. [aprssig] Re: DCC

From: Ken Brown <W2KB@compuserve.com>
Date: Thu, 13 Sep 2001 10:07:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-35790-2001.09.13-09.32.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> Is anyone driving to DCC in Cincinatti from the Wash DC or Baltimore
areas? Flights are now $700. <<

Bob,

Amtrak has a train from DC to Cincinatti, roundtrip under $200. See
www.amtrak.com

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

319. [aprssig] Re: DCC

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Sep 2001 12:25:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-35847-2001.09.13-11.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WOW! That sounds like fun....

thanks for checking it out..
BOb

On Thu, 13 Sep 2001, Ken Brown wrote:

> >> Is anyone driving to DCC in Cincinatti from the Wash DC or Baltimore
> areas? Flights are now $700. <<
>
> Bob,
>
> Amtrak has a train from DC to Cincinatti, roundtrip under $200. See
> www.amtrak.com
>
> 73,
>
> ---Ken   W2KB@ARRL.net   VC-NJ   KofC
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

320. [aprssig] Re: DCC

From: "Bob - K8YS" <k8ys@cinci.rr.com>
Date: Thu, 13 Sep 2001 13:07:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35859-2001.09.13-12.31.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

uhh, guys, that train terminal is Union Terminal, it is located on the north
west edge of downtown Cincinnati... the airport (CVG) is another 20 minutes
down the road... if you take the train into Cincinnati, someone is going to
need a shuttle service...

Also, Union Terminal is no longer a 24 hour operation...

Bob

"I fear all we have done is to awaken a sleeping giant and fill him with a
terrible resolve".
--Admiral Isoroku Yamamoto

-----Original Message-----
From: bounce-aprssig-24694@lists.tapr.org
[mailto:bounce-aprssig-24694@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Thursday, September 13, 2001 12:26 PM
To: TAPR APRS Special Interest Group
Cc: APRS SIG
Subject: [aprssig] Re: DCC

WOW! That sounds like fun....

thanks for checking it out..
BOb

On Thu, 13 Sep 2001, Ken Brown wrote:

> >> Is anyone driving to DCC in Cincinatti from the Wash DC or Baltimore
> areas? Flights are now $700. <<
>
> Bob,
>
> Amtrak has a train from DC to Cincinatti, roundtrip under $200. See
> www.amtrak.com
>
> 73,
>
> ---Ken   W2KB@ARRL.net   VC-NJ   KofC
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
You are currently subscribed to aprssig as: k8ys@cinci.rr.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

321. [aprssig] Re: DCC

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Sep 2001 15:20:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-35878-2001.09.13-14.45.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Sep 2001, Bob - K8YS wrote:

> uhh, guys, that train terminal is Union Terminal, it is located on the north
> west edge of downtown Cincinnati... the airport (CVG) is another 20 minutes
> down the road... if you take the train into Cincinnati, someone is going to
> need a shuttle service...
>
> Also, Union Terminal is no longer a 24 hour operation...

Nevermind...
I just checked it out, and it takes more than 24 hours each way...
for the 400 miles from DC to Cincinnati... and 3 layovers...

Bob

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322. [aprssig] Sep 9, around 16:50 GMT - system crashes due to junk ???

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 13 Sep 2001 14:39:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35881-2001.09.13-15.05.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

On September 9, between 16:30 and 17:00 gmt, my APRS server started crashing
continuously, then suddenly started operating properly again. I suspect that
it was something in the data stream from one of the servers I was connected to.

I would like to know if anyone else had problems during that time, and if they
were able to capture the data during that time. Unfortunately I did not have my
capture turned on, so the data involved is unknown to me.

I need to fix the code in my server so that it does not happen again. Any
help is much appreciated.

73 Maiko / VE4KLM

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

323. [aprssig] APRS, Tactical Ops practice

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Sep 2001 17:06:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35904-2001.09.13-16.30.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Feeling helpless at the events unfolding around us, it might be an
opportunity to practice your skills to use APRS to do what it was designed
to do. That is, to paint a tactical picture of what is going on for your
LOCAL tactical communications needs. You should be able to mark Traffic
jams, Accidents, Fires, or other emgerencies quickly on the map for all to
see (and avoid). You should know how to use the OMNI DF techniques to
rapidly locate signals with nothing but your APRS mobile radio.

Some programs do things quite differently than others. Since I know
APRSdos best, I will use the APRSdos terminology to describe these
techniques.   Now is a good time to practice.

OBJECTS: Be able to place an object on the map. Know all the ICONS
          (remember later that it's YOURS and you must remove it later)

PATHS: Set your path for your local area. One or two hops at most
          Practice what to do if your digi goes down. See what home
          stations you can use to re-establish a path to your EOC

DFing: * Be able to place a BEARING line on the map
          * Be able to place an OMNI-DF-SIGNAL strength report. This is a
          very powerful technique for APRS mobile ops to locate a FOX
          or jammer or stuck mike in minutes. APRS plots overlapping
          SIGNAL contours from everyone making a signal report and the
          location of the signal is at the intersection of all the

countours.
* Know how to use the DF Fade CIrcle technique. Just driving
to three points where the signal fades out, and pressing
the F5 key, APRS will compute the probable
location of the signal... etc...

See README\DF.TXT in all versions of APRSdos.. If you dont have APRSdos
docs, see http://www.ew.usna.edu/~bruninga/dfing.html

THD7 and D700: To send an object, go to your APRS menu. Change YOUR
callsign to the name of the object. Enter STATUS text to match the nature
of the location you are marking. Choose an ICON appropriately. Or just
use the TRIANGLE as a marker. HIT BCON a few times until you see your
packet digipeated (MY PACKET). Once the packet is out, everyone will see
it. CHANGE YOUR MYCALL BACK TO YOUR CALL and fix your status and icon.

Note, this is not really an object, but a MYCALL, so the name is limited
to 6 characters. Also, dont overlook using overlays numerals on the ICONS
to mark multiple problems.

Keep this local info LOCAL. Dont clutter up the map for people who are
not going to be contending with these traffic problems. APRS is best when
used locally, and so USE IT LOCALLY.

I am quite surprised when we have a local crisis here that ties up all the
roadways, and expressways, and we have APRS mobiles everywhere in the
area, yet no one is putting thse traffic problems on the air so that the
rest of us can maneuver around the problems.

Your radio is a tool. It has LOTS of potential. I rarely see that
potential realized. Practice....

P.S. If you put an object on the map, then remove it after it is no
longer important. If you use the MYCALL technique with your HT or D700,
then post a BULLETIN asking for someone to KILL it, or kill it when you
get to your base station...

If you are not in NY City or the pentagon, you can't help much. But
learning to use what you have now, will make you prepared in the future to
help someone maybe...

Just a thought. SInce fewer and fewer people have APRSdos anymore, I
just made a WEB page to show how omni-dfing is "supposed" to work...

de WB4APR@amsat.org, Bob

APRS DFing http://www.ew.usna.edu/~bruninga/dfing.html

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324. [aprssig] Re: Kenwood D700 Question

From: "Ron Rueter" <k7pa@easystreet.com>
Date: Thu, 13 Sep 2001 14:08:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35905-2001.09.13-16.33.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

I believe you are taking great risks leaving your radios on while starting your auto engine. There are tremendously high levels of voltage spikes during the starting of an auto engine. These spikes can do damage to your radios.

I would suggest one of two approaches to preventing problems. 1. Turn the radio off while starting the engine. or 2. Put a relay in the power lead that opens during the starting cycle.

In my car, the cig lighter goes off when the key is in the start position. I use a lead from the cig lighter to operate the relay. I have looked at the voltage at the radio using a O'scope and all voltages are within acceptable tolerances.

Hope this helps prevent unexpected damages.

73 Ron K7PA
  ----- Original Message -----

From: Tony Annese
To: aprssig@lists.tapr.org ; nwaprssig@nwaprs.org
Sent: Tuesday, September 11, 2001 14:59
Subject: Re: [aprssig] Kenwood D700 Question

I understand about the battery. My concern isn't so much about the battery drain on startup but on the display of the D700 and has anyone else encountered the display blanking and would this be caused by the drain and what does it take to fix it?

Tony
KG4EXA
----- Original Message -----
From: dodom@mindspring.com
To: Tony Annese
Sent: Tuesday, September 11, 2001 2:52 PM
Subject: Re: [aprssig] Kenwood D700 Question

I suggest you have your car battery checked for starting capacity. The car battery should act as a very large capacitor on the A lead. I suspect the capacity of the battery is not adequate. I have found this in many commercial radio installations. The car would still start but the capacity of the battery was at the end of its useful life. I use a cig plug and have no problems with my D700 resetting.

----- Original Message -----
From: Tony Annese
To: TAPR APRS Special Interest Group
Sent: Tuesday, September 11, 2001 4:32 PM
Subject: [aprssig] Kenwood D700 Question

I have a fuse block connected directly to my car battery and my D700 is plugged into the fuse block. My ground is the same setup, ground strip direct to battery and D700 plugged into ground strip.

When I start my vehicle my D700 cycles power. I'm assuming it's because of the power draw from the battery. Not a big deal. Everything comes back normal.

What has started happening is that my APRS is up on the A band and when power/display comes back the memory tag/frequency for the A band comes up blank. I am still on freq because I am receiving/transmitting fine. When I switch CTRL to the A band and key the hand mike the display comes back. The B band doesn't experience this.

Has anyone else experienced this and is there a fix or do I have to send it back to Kenwood?

Tony
KG4EXA

325. [aprssig] Digital Communications Conference Still On

From: John Ackermann N8UR <jra@febo.com>
Date: Thu, 13 Sep 2001 17:24:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35913-2001.09.13-16.49.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With the tragic events of this week, we've had to seriously consider whether it was still appropriate or feasible to hold the Digital Communications Conference next weekend (Sept. 20-22) in Cincinnati. Although we grieve with the whole world for the losses so many have suffered, we believe it's important to show that terrorism will not succeed in making us change our way of life.

So, the DCC will go on. We realize that in light of the circumstances, some folks who have already registered may feel they cannot attend. If that is the case, please contact the TAPR office (tapr@tapr.org) and we will arrange a refund of your registration fee. If you are traveling to the DCC, remember that things may still be somewhat disrupted next week, and increased security precautions will certainly cause some airport delays. Check with your airline early and often to make sure they haven't changed your plans for you.

We realize that this year's DCC may well be smaller, and will certainly be more somber, than in past years. But we think that going ahead is the right thing to do, and we hope that you agree.

73,
John

John Ackermann N8UR jra@febo.com http://www.febo.com
President, TAPR n8ur@tapr.org http://www.tapr.org

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326. [aprssig] PCsat Launch Monitoring team

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Sep 2001 17:46:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35950-2001.09.13-17.10.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If Tony Langdon or ZL3AI, see this, send me email. Your previous addresses
do not work. Thanks.

Bob

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327. [aprssig] Re: Using small 'PC compatible' boards...

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 13 Sep 2001 22:00:50 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35952-2001.09.13-17.25.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Mike Yetsko" <myetsko@insydesw.com> wrote:

>I just wondered if anyone was using small PC compatible boards for
>anything. Things like trackers or data manipulators.

Mike:

I will be doing a presentation on this very thing at the DCC APRS
session. I'm using a release of Linux called LRP running out of
compact flash. Using some custom Perl scripts and GPSD talking
to a CDPD modem. Also used the TI/PT 6822 power supply module with
a PIC talking to it to sense power conditions and movement.

>Things like the EM-520 boards....

Right now, I am using the Advantech PCM-4823, but have been looking
at the EM-520 boards as well.

Will you be at the DCC? If not, I can send you my powerpoint slides
when I get them done. Not rocket science by any means, but getting
it to work reliably in a car took a little effort.

Regards,

Jeff wb8wka

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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328. [aprssig] Pre-emphesis/De-emphesis and Sat work

From: RMckni8527@aol.com
Date: Thu, 13 Sep 2001 19:30:12 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35958-2001.09.13-18.54.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I tried to pay attention through that long thread about a year ago or so, but
I might have some questions that were considered then.

There are a handful of radios that have inputs that bypass the microphone
stages, thus offering balanced levels without any fuss or muss. Great. But
most if not all TNC's I am aware of already compensate for the probability
that it will be wired through the mic connector, thwarting the good
intentions of radios like the FT-736R.

Also, this SIG may not be the best place to bring this up, but there are some
smart folks here that likely know the correct answer. When operating through
the satellites, I assume their receivers/transponders which are not off the
shelf ham rigs, so just how do implement this pre-emphasis/de-emphasis
formula, especially when operating with different systems like digi's and
satellites. They're not created equal, and I assume not one approach will be
optimal with every system you encounter.

Do most folks have dedicated rigs/TNC's for the various modes to allow each
to optimally adjusted?

Hopefully getting ready to work some spacecraft, but still a little green.

73's
Ray - WB3ABN
Kingston, WA

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329. [aprssig] Re: DCC

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 13 Sep 2001 17:55:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-35960-2001.09.13-19.16.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:20 PM 9/13/01, Bob Bruninga wrote:

>Nevermind...
>I just checked it out, and it takes more than 24 hours each way...
>for the 400 miles from DC to Cincinnati... and 3 layovers...
>
>Bob

And if you want to eat in the dining car(s) you must reserve a seat in
advance...

I used to ride the Lakeshore Limited (or Snowball Express) from Toledo to
Chicago on a regular basis...4 hours by car or 5 to 6 hours by train,
which is reasonable.   The added bonus is that Union Station in Chicago is
at Canal and Adams, which is pretty much walking distance (or a short cab
ride) to anything you need in the city.

It's a sad state of affairs that the US lacks a credible high-speed rail
system, but if you have the time, I would recommend Amtrak as a nice way to
travel.   In light of recent events is may be that more people will choose
rail, due to extra delays at airports.   I have found people (passengers,
that is) on the trains to be very friendly, much more so than by bus or plane.

I have also found that flying from Phoenix to San Diego as compared to
driving there is a wash, timewise.   With added airport security, driving
will only become that much more attractive.   And it gives you a chance to
load up with all the cool electronic stuff and APRS gear that you own.

Speaking of Chicago, having worked in the top floor of Xerox Centre, and
lived on the 23rd floor of the Dearborn Market Building, I would highly
recommend that if you are ever in a high-rise and something bad happens -
GET OUT. Be it a fire, smoke, explosion, whatever (except maybe an
earthquake), get out fast. If anyone, boss, teacher/professor, policeman,
911 operator, etc. tells you to stay put; IGNORE THEM. And if getting out
means leaving your footprints on someone's back, so be it...

73,

Mark
KC7BXS

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330. [aprssig] Re: Pre-emphesis/De-emphesis and Sat work

From: "John R. Ackermann" <jra@febo.com>
Date: Thu, 13 Sep 2001 21:09:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36000-2001.09.13-20.34.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can't speak to satellite work but for normal 1200 baud earthbound packet
my suggestion is that feeding flat audio (from the discriminator) to the
demodulator on receive is a Good Thing, but transmitting flat audio
(bypassing the mic input and pre-emphasis circuits) is double plus ungood.
The problem is that although you're transmitting undistorted audio, any
receiver that's using speaker audio will attempt to de-emphasize your flat
audio, resulting in many of the same problems that an overdeviated signal
has.

So, use flat RX audio if you can, but make sure your transmit audio is
pre-emphasized by feeding it through the mic input.

John N8UR
jra@febo.com

--On Thursday, September 13, 2001 7:30 PM -0400 RMckni8527@aol.com wrote:

> I tried to pay attention through that long thread about a year ago or so,
> but I might have some questions that were considered then.
>
> There are a handful of radios that have inputs that bypass the microphone
> stages, thus offering balanced levels without any fuss or muss. Great.
> But most if not all TNC's I am aware of already compensate for the
> probability that it will be wired through the mic connector, thwarting
> the good intentions of radios like the FT-736R.
>
> Also, this SIG may not be the best place to bring this up, but there are
> some smart folks here that likely know the correct answer. When
> operating through the satellites, I assume their receivers/transponders
> which are not off the shelf ham rigs, so just how do implement this
> pre-emphasis/de-emphasis formula, especially when operating with
> different systems like digi's and satellites. They're not created
> equal, and I assume not one approach will be optimal with every system
> you encounter.
>
> Do most folks have dedicated rigs/TNC's for the various modes to allow
> each to optimally adjusted?
>
> Hopefully getting ready to work some spacecraft, but still a little green.
>
> 73's
> Ray - WB3ABN
> Kingston, WA
>
> ---
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>

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331. [aprssig] Mic-E Repeater End Info?

From: Bill Herrmann <bherrman@micron.net>
Date: Thu, 13 Sep 2001 23:25:26 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36050-2001.09.14-00.50.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody have a good source for Mic-E repeater end info? I've found lots of information on the mobile end but very little actual information on the repeater end.

I've become involved in some discussion about a local repeater that is being talked about for addition of Mic-E support. It has an existing APRS digi and the ability to receive and cross-post data from the voice side would be a plus.

I'm not completely sure of what equipment is currently there, but I'm guessing that the TNC is a single port unit. (I'd guess a KPC-3, but don't know for sure.) Are there any solutions that can add-on to that or is the only option to replace it with a dual port TNC? Is there a viable supported dual-port TNC to consider? (I've seen references to KPC-4's which don't appear to be available any longer.)

Thanks in advance!
Bill
KD7MJC

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332. [aprssig] Re: Mic-E Repeater End Info?

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Fri, 14 Sep 2001 07:19:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36066-2001.09.14-06.45.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

check the website wes.johnston.net/aprs the voice repeater link in the left column has some info.

Wes

----- Original Message -----
From: "Bill Herrmann" <bherrman@micron.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, September 14, 2001 01:25
Subject: [aprssig] Mic-E Repeater End Info?

> Anybody have a good source for Mic-E repeater end info? I've found lots of
> information on the mobile end but very little actual information on the
> repeater end.
>
> I've become involved in some discussion about a local repeater that is
> being talked about for addition of Mic-E support. It has an existing APRS
> digi and the ability to receive and cross-post data from the voice side
> would be a plus.
>
> I'm not completely sure of what equipment is currently there, but I'm
> guessing that the TNC is a single port unit. (I'd guess a KPC-3, but don't
> know for sure.) Are there any solutions that can add-on to that or is the
> only option to replace it with a dual port TNC? Is there a viable
supported
> dual-port TNC to consider? (I've seen references to KPC-4's which don't
> appear to be available any longer.)
>
> Thanks in advance!
> Bill
> KD7MJC
>
>
>
> ---
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>
>

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333. [aprssig] Re: Using small 'PC compatible' boards...

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Fri, 14 Sep 2001 07:27:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36070-2001.09.14-06.53.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Guys, the little "audrey" linux box arrived yesterday. I looks like you can mount a CF card up to 32mb and they just got a version of ICQ for X running on it. These are pretty easy to upgrade to a version that contains a shell by spoofing a DNS and causing it to upgrade from a different site than the now defunct 3com site hardcoded into audrey. All the instructions they give on the www.audreyhacking.com site tell you to run a DHCP server on your windows box and DHCP on the audrey to spoof the DNS, but it's MUCH easier to just use static IPs in audrey and their 216.x.x.x DNS for primary and your normal ISPs DNS as secondary. I did two upgrades last night and now have a shell I can get to, FTP'ed the TAPR site for kicks... It is unix.... neat neat neat. Even added a small onscreen keyboard application. I think this little bugger might make a great Xaprs terminal. Appears to run off 3.3 and 5v, power comes in via a small connector that looks like an apple ADB plug. This should be pretty darned simple to run off 12v. If you order one, be sure to get the $30 USB 10bT card too...

www.tigerdirect.com has them until they run out.
Wes
----- Original Message -----
From: "Jeff King" <transit_man@hotmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 13, 2001 18:00
Subject: [aprssig] Re: Using small 'PC compatible' boards...

> "Mike Yetsko" <myetsko@insydesw.com> wrote:
>
>
> >I just wondered if anyone was using small PC compatible boards for
> >anything. Things like trackers or data manipulators.
>
> Mike:
>
> I will be doing a presentation on this very thing at the DCC APRS
> session. I'm using a release of Linux called LRP running out of
> compact flash. Using some custom Perl scripts and GPSD talking
> to a CDPD modem. Also used the TI/PT 6822 power supply module with
> a PIC talking to it to sense power conditions and movement.
>
>
> >Things like the EM-520 boards....
>
> Right now, I am using the Advantech PCM-4823, but have been looking
> at the EM-520 boards as well.
>
> Will you be at the DCC? If not, I can send you my powerpoint slides
> when I get them done. Not rocket science by any means, but getting
> it to work reliably in a car took a little effort.
>
> Regards,
>
> Jeff wb8wka
>
>
> _____
> Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp
>
>
> ---
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334. [aprssig] Re: Mic-E Repeater End Info?

From: Doug Rich <doug@the-one.com>
Date: Fri, 14 Sep 2001 06:47:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36076-2001.09.14-08.12.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:25 PM 9/13/01 -0600, Bill Herrmann wrote:
>Anybody have a good source for Mic-E repeater end info? I've found lots of
>information on the mobile end but very little actual information on the
>repeater end.
>
>I've become involved in some discussion about a local repeater that is
>being talked about for addition of Mic-E support. It has an existing APRS
>digi and the ability to receive and cross-post data from the voice side
>would be a plus.
>
>I'm not completely sure of what equipment is currently there, but I'm
>guessing that the TNC is a single port unit. (I'd guess a KPC-3, but don't
>know for sure.) Are there any solutions that can add-on to that or is the
>only option to replace it with a dual port TNC? Is there a viable
>supported dual-port TNC to consider? (I've seen references to KPC-4's
>which don't appear to be available any longer.)

The TNC is a KPC3+
Doug KD6GCL

>Thanks in advance!
>Bill
>KD7MJC
>
>
>
>---
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335. [aprssig] Day of Mourning

From: "J. B. Weazle McCreath" <weazle@hurontel.on.ca>
Date: Fri, 14 Sep 2001 12:36:19 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36077-2001.09.14-08.17.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On this day of mourning, I would like to extend to all of my APRS
friends in the United States my condolences and a special thought
of remembrance to those who may have lost family or friends.

I'm sure that I can speak for all Canadian APRS operators that in
Canada today, our thoughts are with you.

J.B. Weazle McCreath,
VE3EAR/VE3WZL

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336. [aprssig] Fwd: [PacSat] Introduction and plea for help!

From: Wolf Hoeller <wolf.hoeller@gmx.net>
Date: Fri, 14 Sep 2001 13:11:37 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36080-2001.09.14-08.34.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think here is the right group for this!

de Wolf

---------- Weitergeleitete Nachricht ----------
Subject: [PacSat] Introduction and plea for help!
Date: Fri, 14 Sep 2001 16:36:32 +1200
From: "Blackburn, Bruce" <bruce.blackburn@mcmurdo.gov>
To: "'pacsat@qth.net'" <pacsat@qth.net>

Hi my name is Bruce Blackburn (N0NHP) and I am a Communications tech for
Raytheon Polar services, currently stationed at McMurdo Station Antarctica.
Via a round-about path we have been asked to listen for the Starshine 3
satellite just after separation at around 1600 local or 0400 UTC Sept. 18.
We would like to try to decode the packets as it goes over, however nobody
down here has any pacsat experience. We have located an old Kantronics 19K2
data engine that says it will support 9600 baud. Will it work for us? We are
planning to take the output of our service monitor to try to drive it.
I also have my Icom PCR-1000 with a discriminator output, is there any
soundblaster software I might be able to use?
Sorry for not having time to monitor the group and get some of the answers
ahead of time (and even being able to ask intelligent questions for that
matter :-).
Thanks in advance for whatever help you can render.

Bruce

--
Bruce Blackburn
McMurdo Station, Antarctica
Antarctic Adventures http://www.gmra.org/n0nhp/antarctica/index.htm
Western Colorado Frequencies http://gmra.org/n0nhp

Submissions pacsat@qth.net

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337. [aprssig] What is going on here ? This is serious stuff !!!

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Fri, 14 Sep 2001 08:37:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36082-2001.09.14-09.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Look at this JUNK bein injected into the APRS IS as we speak !!!

Can anyone trace this ?

}}}}VE2ETS>VE2ETS*,TCPIP*,ZZ2RMV-5*::SCOUTS :Equipa Vn2, seguir azimuVte 230 durantVe V3KVm{02
}}TCPIP*>KP4ES*,TCPIP*,VE6SAR-10*::SCOUTS :Equipa Vn2, seguir VazimuVte 230 durantVe V3KVm{02
}}}}}}TCPIP*>KP4ES*,TCPIP*,K5TXU-1*::SCOUTS :Equipa Vn2V, seguir azimuVte tVeV3KVm{02
TCPIP*>KP4ES*,KB2WYA,WIDE3*::SCOUTS :Equipa Vn2, seguir azimuVte tVe V3KVm{02
TCPIP*>KP4ES*,KB2WYA,WIDE3*::SCOUTS :Equipa Vn2, seguir azimuVte tVe V3KVm{02
}}}}}}TCPIP*>KP4ES*,TCPIP*,VE2ETS*::SCOUTS :Equipa Vn2, seguir VazimuVte 230 durantVe V3KVm{02
}}}}TCPIP>KP4ES*,TCPIP*,K5TXU-1*::SCOUTS :Equipa Vn2, seguirV azimuVte tVe V3KVm{02
}}TCPIP*>KP4ES*,TCPIP*,ZZ2RMV-5*::SCOUTS :Equipa Vn2, seguir azimuVte 230 durantVe V3KVm{02
}}}TCPIP*>KP4ES*,TCPIP*,K5TXU-1*::SCOUTS :Equipa Vn2, seguirV azimuVte tVe V3KVm{02
}}}}}}2ETS>TCPIP*,TCPIP*,K5TXU-1*::SCOUTS :Equipa Vn2, seguir azimuVte 230 durantVe V3KVm{02
}}}VE2ETS>VE2ETS*,TCPIP*,VE6SAR-10*::SCOUTS :Equipa Vn2, seguir azimuVte 230 durantVe V3KVm{02
}}}VE2ETS>APRS,TCPIP*,K5TXU-1*:!4529.68N/07333.77W/VE2ETS Montreal APRS Server 142.137.27.177 - Live
GPS feed
}}}}TCPIP*>KP4ES*,TCPIP*,ZZ2RMV-5*::SCOUTS :Equipa Vn2, seguirV azimuVte tVeVV3KVm{02
}}TCPIP*>KP4ES*,TCPIP*,VE2ETS*::SCOUTS :Equipa Vn2, seguir azimuVte tVe V3KVm{02
}}}TCPIP*>KP4ES*,TCPIP*,K5TXU-1*::SCOUTS :Equipa Vn2, seguir azimuVte tVe V3KVm{02

--

Maiko Langelaar
Product Engineering Group
SLMsoft.com

Winnipeg, Manitoba, Canada

Tel : 204-786-2656 (ext 439)

Fax   : 204-783-8286
Email : maiko@slmsoft.com
www   : http://www.slmsoft.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

338. [aprssig] RE: What is going on here ? This is serious stuff !!!

From: Bill Diaz <billdiaz@megsinet.net>
Date: Fri, 14 Sep 2001 09:03:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36086-2001.09.14-09.28.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maiko,

AFilter captured a packet that seems to have originated at WA4DSY that
contains this packet. Some applications may treat this as a third party
packet and strip out the original header. Going to be difficult to
determine where they original entered the system.

!24.23.210.56:NA4V Call Formatting
error!WA4DSY>APD215,N4NEQ-2,KR4OL-2*:}}}}TCPIP>KP4ES*,TCPIP*,WA4DSY*::SC
OUTS   :Equipa Vn2, seguir VazimuVte 230 durantVe V3KVm{02

NA4V gated this packet to first.aprs.net.

There are numerous other stations gating similar packets.
!T 13:52:12 montreal.aprs.net:IGATE
!VE2DNG-9>VE2ETS*,APU}}}}TCPIP*,KP4ES*,TCPIP*::SCOUTS   :Equipa Vn2, seguir
azimuVte tVe V3KVm{02
!T 13:52:29 third.aprs.net:IGATE
!VE2RNG-3>VE2ETS*,APRS,WI}}}}}}}TCPIP*,KP4ES*,TCPIP*::SCOUTS   :Equipa Vn2,
seguir azimuVte tVe V3KVm{02

Note that the header on the above packets has been corrupted by the }}}
char. Something is corrupting the feed perhaps.

Will continue to try to find the source of the problem.

Bill
On Friday, September 14, 2001 8:38 AM, Maiko Langelaar
[SMTP:maiko@slmsoft.com] wrote:
>
> Look at this JUNK bein injected into the APRS IS as we speak !!!
>
> Can anyone trace this ?

> }}}}VE2ETS>VE2ETS*,TCPIP*,ZZ2RMV-5*::SCOUTS   :Equipa Vn2, seguir
azimuVte 230 durantVe V3KVm{02
>
> Maiko Langelaar
> Product Engineering Group
> SLMsoft.com

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339. [aprssig] Internet

From: "John B. Leonard, Jr." <w9jbl@home.com>
Date: Fri, 14 Sep 2001 09:14:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36088-2001.09.14-09.38.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Would anyone like to re-start the debate over the wisdom of sending APRS
info to the Internet now?

w9jbl

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340. [aprssig] Re: Using small 'PC compatible' boards...

From: Doug Bade <doug@clecom.com>
Date: Fri, 14 Sep 2001 10:57:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36105-2001.09.14-10.21.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received mine 2 days ago and did the updates too...I missed the screen keyboard.. will look for that.. I took mine to our ham club meeting and several folks started looking at it as a great little email term for un-computered folks... I really like it, I am getting a mirror set up QNX 6.0 ISO.. Many options down the road.. there is a port of VNC for it too.. Doug KB8GVQ

At 07:27 AM 9/14/01 -0400, Wes Johnston wrote:
>Guys, the little "audrey" linux box arrived yesterday. I looks like you can
>mount a CF card up to 32mb and they just got a version of ICQ for X running
>on it. These are pretty easy to upgrade to a version that contains a shell
>by spoofing a DNS and causing it to upgrade from a different site than the
>now defunct 3com site hardcoded into audrey. All the instructions they give
>on the www.audreyhacking.com site tell you to run a DHCP server on your
>windows box and DHCP on the audrey to spoof the DNS, but it's MUCH easier to
>just use static IPs in audrey and their 216.x.x.x DNS for primary and your
>normal ISPs DNS as secondary.

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341. [aprssig] Re: Internet

From: Skip Allison <sallison@megsinet.net>
Date: Fri, 14 Sep 2001 09:54:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36106-2001.09.14-10.22.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"John B. Leonard, Jr." wrote:
>
> Would anyone like to re-start the debate over the wisdom of sending APRS
> info to the Internet now?
>
> w9jbl
>

You're kidding I hope.

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342. [aprssig] Re: APRS+SA Maps

From: "Brian Yahoo account" <radiowebst@yahoo.com>
Date: Fri, 14 Sep 2001 11:12:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36108-2001.09.14-10.32.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Fred,
        I would recommend that you use street atlas plus and then use the Delorme topo USA program. I have read that those Delorme topo programs work like the street atlas program with the APRS plus. This should give you enough detail to use for SAR demo and be able to see landmarks as you would on a topo map. I am not an expert on APRS plus but have worked with Delorme products for years. The cheap nationwide topo program gives contour lines at the 50ft interval. If you want greater detail you need to buy the state versions at around $99 per state and that gives you digitized 7.5 min quad maps in a seemless form and also allows a 3d view of area from within its own program.
        The only other option is to scan a local topo map and georeference the scanned image and use it in either program. The zoomed in resolution of these images gets grainy though.

Good luck,
Brian N2KGC

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Fjgrant@aol.com
Sent: Thursday, September 13, 2001 7:41 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS+SA Maps

Gentlemen:

Just reading and mail from several days ago. I am facing a similar problem
and was wondering what the resolution might be.

My situation: I am setting up a Search and Rescue Game for the BSA Fall
Camporee in N. Georgia, (Oct 26-29). The area really has no major landmarks
that appear on WIN APRS maps or APRS SA maps. I want to use the draw and
annotate functions of SA 8.0 to set some up so that the Scouts can watch as
the teams move from location to location and it will be meaningful to them.
What is the best way to do this?

I guess that what it comes down to is that I do not understand maps,
overlays
and areas like that very well. Is there an Elmer out there whos been there
and done it?

Also interested if anyone has some trackers to lend out for 3 days that the
Scout teams can carry. You're welcome to help run the Command Post as well.

Please advise.

73's

Fred
W4FJG

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_____

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343. [aprssig] Junk 'SCOUTS' traffic - may be partially solved now ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Fri, 14 Sep 2001 10:14:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36109-2001.09.14-10.40.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I've been in contact with the sysop of the VE2ETS igate in Montreal
regarding the latest junk traffic. He has said that he will remove
the SCOUTS gating from his config file to see if that helps take
the load off the APRS IS.

Hopefully that's the one, although it could be another. We'll have
to wait and see.

73 de Maiko / VE4KLM

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344. [aprssig] RE: Junk 'SCOUTS' traffic - may be partially solved now ...

From: Bill Diaz <billdiaz@megsinet.net>
Date: Fri, 14 Sep 2001 10:29:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36111-2001.09.14-10.53.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am seeing roughly 60 of the garbaged scout packets per minute when
connected to third.aprs.net or aprs.net. These packets do not appear on
first.aprs.net, or second.aprs.net.

Bill KC9XG

On Friday, September 14, 2001 10:15 AM, Maiko Langelaar
[SMTP:maiko@slmsoft.com] wrote:
> Hi,

> I've been in contact with the sysop of the VE2ETS igate in Montreal
> regarding the latest junk traffic. He has said that he will remove
> the SCOUTS gating from his config file to see if that helps take
> the load off the APRS IS.

> Hopefully that's the one, although it could be another. We'll have
> to wait and see.
>
> 73 de Maiko / VE4KLM

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345. [aprssig] Re: Internet

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 14 Sep 2001 15:59:09 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-36113-2001.09.14-11.23.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"John B. Leonard, Jr." <w9jbl@home.com> wrote:

>Would anyone like to re-start the debate over the wisdom of sending APRS
>info to the Internet now?

>w9jbl

John:

I assume this was in the tone of a "I told you so" type message,
in light of recent events. But the debate you witnessed in the
past, is one of human nature (knee jerk emotional reaction) and not one
of introspective thought as to the possible future ramifications of
our actions.

You need to make the decision yourself without regards to the collective
mindset of the group. I've been chided by others as "not transmitting"
on APRS due to them not seeing my reports on FINDU. Does this opinion
lessen my interest in APRS or amateur AVL? Of course not, I
do what I do for myself, and not to satisfy someone elses idea of what I
should or shouldn't do. My primary goal has never been to be politically
correct, just a technical interest in AVL/GIS and GPS.

I think further debate on this topic would be fruitless. You need to do
what you think best for you own personal well being and enjoyment.

73

-Jeff wb8wka, American, Libertarian

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

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346. [aprssig] Re: Using small 'PC compatible' boards...

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 14 Sep 2001 16:04:08 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36116-2001.09.14-11.28.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Wes Johnston" <kd4rdb@netzero.com> wrote:

>Guys, the little "audrey" linux box arrived yesterday. I looks like you
>can
>mount a CF card up to 32mb and they just got a version of ICQ for X running
>on it

Wes:

Audrey runs QNX, not Linux although this really is no disadvantage. I
think I'll get one, they sound really cool. Will you be bringing it to
the DCC?

73

-Jeff

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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347. [aprssig] Re: Internet

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 14 Sep 2001 11:36:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36125-2001.09.14-12.02.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:14 AM 9/14/01, John B. Leonard, Jr. wrote:

>Would anyone like to re-start the debate over the wisdom of sending APRS
>info to the Internet now?

Umm, why?   It doesn't take a GPS or APRS data to crash airplanes into
three of the largest buildings in the world...

73,

Mark
KC7BXS

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348. [aprssig] Re: Internet

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 14 Sep 2001 14:50:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36145-2001.09.14-14.12.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Come on, is this a troll??

Mike

> Would anyone like to re-start the debate over the wisdom of sending
APRS
> info to the Internet now?
>
> w9jbl

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349. [aprssig] Just when you thought you knew WIDEn-N

From: "E. Tupis W2EV" <w2ev@rochester.rr.com>
Date: Fri, 14 Sep 2001 15:48:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36155-2001.09.14-15.11.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

15:44:38T W2EV>CQ,RELAY,WIDE3-3,RFONLY <UI C Len=23>:
15:44:43R W2EV>CQ,WA2DQL-1*,WIDE3-3,RFONLY <UI C Len=23>:
15:44:44R W2EV>CQ,RELAY*,WIDE3-2,RFONLY <UI C Len=23>:
15:44:45R W2EV>CQ,RELAY*,WIDE3-1,RFONLY <UI C Len=23>:
15:44:47R W2EV>CQ,RELAY*,WIDE3,RFONLY <UI C Len=23>:

I have no idea what is happening here. Any guesses? 144.39 in Western
New York.
Ev, W2EV

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350. [aprssig] RE: X-APRS

From: "kirsteins" <obskds@attcanada.ca>
Date: Fri, 14 Sep 2001 16:45:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36171-2001.09.14-16.11.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering if anyone could answer a few questions I have about X-APRS:
    - has it been released?
(if so) - is it more stable than WinAPRS
            - does it use WinAPRS maps
            - does it have smart digi features for old tnc's (Widen-n, etc)

                                                    Thanks in Advance
                                                Dave Kirstein   VA3DMK

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351. [aprssig] Re: Just when you thought you knew WIDEn-N

From: "E. Tupis W2EV" <w2ev@rochester.rr.com>
Date: Fri, 14 Sep 2001 17:28:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36180-2001.09.14-16.51.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> 15:44:38T W2EV>CQ,RELAY,WIDE3-3,RFONLY <UI C Len=23>:
> 15:44:43R W2EV>CQ,WA2DQL-1*,WIDE3-3,RFONLY <UI C Len=23>:
> 15:44:44R W2EV>CQ,RELAY*,WIDE3-2,RFONLY <UI C Len=23>:
> 15:44:45R W2EV>CQ,RELAY*,WIDE3-1,RFONLY <UI C Len=23>:
> 15:44:47R W2EV>CQ,RELAY*,WIDE3,RFONLY <UI C Len=23>:

Ok...I guess what I have here is a local station, who's MYCALL is RELAY
and who has a NODUPE time of zero, maybe?

Ev, W2EV

ps...payload removed for clarity.

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352. [aprssig] RE: X-APRS

From: we7u@mail.com
Date: Sat, 15 Sep 2001 07:39:38 +0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36200-2001.09.14-19.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "kirsteins" <obskds@attcanada.ca>
> Subject: [aprssig] RE: X-APRS
>
> I was wondering if anyone could answer a few questions I have about X-APRS:
>   - has it been released?
> (if so) - is it more stable than WinAPRS
>   - does it use WinAPRS maps
>   - does it have smart digi features for old tnc's (Widen-n, etc)
>
>   Thanks in Advance
>   Dave Kirstein   VA3DMK

I can't answer anything about X-APRS, but I _can_ answer things about
Xastir (www.xastir.org). Xastir will run on *BSD Unix systems and on
Linux systems. I've heard that it'll run on Solaris also. It's free
for the download.

The latest Xastir (CVS version) appears to be quite stable. It does
not have smart digi functions and doesn't respond to RELAY. If you
want those sorts of features you install digi_ned and run both
digi_ned and Xastir together on the same machine. That'll give you
much more flexibility.

Current maps that Xastir can handle are listed below.

Let me know if I can be of further assistance. we7u@mail.com or
bowhunter@mail.com are where I can be reached over the weekend.

Xastir: When 112 map formats just aren't enough...

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

MAP FORMATS HANDLED:--------------------
1-105: ImageMagick (http://www.imagemagick.org/www/formats.html)
        (two formats are write-only, not included in total). This
        gives you the capability to handle nearly ANY graphics
        (raster) format map, like GIF/TIF/BMP/JPG/etc.
  106: APRSdos Vector Format Maps & Weather Alert Maps
  107: WinAPRS Vector Format Maps & Weather Alert Maps
  108: 1:24k USGS DRG Raster Maps (geoTIFF Topo Maps)
  109: 1:100k USGS DRG Raster Maps (geoTIFF Topo Maps)
  110: 1:250k USGS DRG Raster Maps (geoTIFF Topo Maps)
  111: ESRI Shapefile Polyline Vector Maps
  112: ESRI Shapefile Polygon Vector Maps
  113: PocketAPRS PDB Vector Maps

ImageMagick can also handle automatic decryption or decompression
of maps files as long as support for these utilities is present and
compiled into ImageMagick. It can handle these formats: ".Z",
".gz", ".bz2", and ".pgp".

MAP SOURCES:

Built into Xastir:

1: Online Tiger Raster Maps (www.census.gov)
2: Online Terraserver Raster Maps
3: Online NOAA Weather Radar Maps

4: Online GIF/JPG/PNG/etc files (http or ftp links)

Downloadable Maps:

1: APRSdos/WinAPRS/Ui-View/PocketAPRS maps
2: NOAA (Shapefile maps)
3: USGS (geoTIFF topo maps)
4: Scanned maps (most image formats)
5: GIS Data Depot (geoTIFF topo maps, Shapefiles)
6: City/County/State GIS Departments (Shapefiles)

Need "wget" installed on your system to enable the
http/ftp functionality.

Xastir can query findu.com for the previous two weeks of
posits for a particular station.

Xastir comes with a script (inf2geo.pl) which converts
.INF files to .GEO files. This makes it easier to use
maps from other APRS programs with Xastir.

--

_____

FREE Personalized E-mail at Mail.com

http://www.mail.com/?sr=signup

Talk More, Pay Less with Net2Phone Direct(R), up to 1500 minutes free!

http://www.net2phone.com/cgi-bin/link.cgi?143

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

353. [aprssig] Re: Internet

From: "Dick Stanich" <dick@kb7zva.com>
Date: Fri, 14 Sep 2001 21:46:24
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36236-2001.09.14-22.10.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 09/14/01, ""John B. Leonard, Jr." <w9jbl@home.com>" wrote:
> Would anyone like to re-start the debate over the wisdom of sending APRS
> info to the Internet now?
>
> w9jbl

What a stupid question.

No debate. APRS and the internet IS wisdom and intelligence at its best.
Anything to debate would generally be no interest to me or my users. I'm 60
years old, retired military, seen combat, and I'm not interested in hiding
or falling into some stupid debate. If you want to wave your flag, go for
it! This is the USA, I'm an American.

My flag stands for hardiness, courage, purity, innocence, vigilance,
perseverance and justice. God Bless America.

Dick, KB7ZVA
AHUBWEST.NET

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

354. [aprssig] APRS AND INTERNET

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Sat, 15 Sep 2001 08:04:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-36317-2001.09.15-07.27.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not EVEN going into the lack of intelligence in this question. At a time we are all coming together, you appear in your question to want to divide us again. I bet the FBI would love to ask you some questions about this motive.

Lee/KD4TQZ

AS FOR ME AND MY COUNTRY WE WILL SERVE THE LORD!!

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355. [aprssig] New version of AFilter 2.5.3

From: "Mark A. Foley" <na4v@home.com>
Date: Sat, 15 Sep 2001 08:16:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36319-2001.09.15-07.40.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Diaz, KC9XG, has released the latest version of AFilter (2.5.3) You can download AFilter at http://www.na4v.com

Changes for this version include:
Added ability to display only filtered data. The "Display filtered data only" check box controls whether all data is displayed or just the packets passing the filters. If "Display Data" is not checked, no data is displayed.

?IGATE? queries from the client port are not passed if "TCPIP" is not in the header. This should cause IGATE queries from RF stations to be rejected.

Fixed logging functions to ensure that all logged data uses the same naming format. YYYMMDDName.txt.

Removed "Add locals to budlist" feature.

Removed font button from panel. Provided File,Set Font menu selection.

Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.na4v.com

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356. [aprssig] Re: Junk 'SCOUTS' traffic - may be partially solved now ...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 15 Sep 2001 10:19:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36327-2001.09.15-09.43.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 14 Sep 2001, Maiko Langelaar wrote:

> I've been in contact with the sysop of the VE2ETS igate in Montreal
> regarding the latest junk traffic. He has said that he will remove
> the SCOUTS gating from his config file to see if that helps take
> the load off the APRS IS.

The problem was a looping problem due to some software somewhere.
Hopefully when it gets fixed, you can return to gating SCOUTS traffic, so

that scouts everywhere can find each other via APRS and spread HAM radio
to our youth...

 de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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357. [aprssig] AChat

From: "Mark A. Foley" <na4v@home.com>
Date: Sat, 15 Sep 2001 10:21:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36328-2001.09.15-09.46.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Want to learn more about AFilter (setup...features...etc) or other super
programs from Bill Diaz, KC9XG, download AChat from http://www.na4v.com

AChat Client is a TCP/IP Client chat application. It is designed to work
with AChat Servers, but will function as a function limited
telnet client as well.

Chat sessions conducted thru AChat Servers will permit chats with multiple
users simultaneously. All connected user text transmissions
are echoed to all connected users.

Join in the chat room and have some fun!

Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.na4v.com

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358. [aprssig] Re: Just when you thought you knew WIDEn-N

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 15 Sep 2001 11:07:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36332-2001.09.15-10.31.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 14 Sep 2001, E. Tupis W2EV wrote:

> 15:44:38T W2EV>CQ,RELAY,WIDE3-3,RFONLY <UI C Len=23>:
> 15:44:43R W2EV>CQ,WA2DQL-1*,WIDE3-3,RFONLY <UI C Len=23>:
> 15:44:44R W2EV>CQ,RELAY*,WIDE3-2,RFONLY <UI C Len=23>:
> 15:44:45R W2EV>CQ,RELAY*,WIDE3-1,RFONLY <UI C Len=23>:
> 15:44:47R W2EV>CQ,RELAY*,WIDE3,RFONLY <UI C Len=23>:
>
> I have no idea what is happening here. Any guesses? 144.39 in Western
> New York.

Sure. Works like it is suposed to. The station chose to use RELAY as his
first hop because he could not hit any WIDE directly, so he chose RELAY
to see if there was anyone anywhere that could pick up his packet and
forward into the WIDE network.

It looks like his packet got picked up by two stations. One was the
WA2DQL-1 digi which then did callsign-substitution on the RELAY. THe
other was someone's home station that forwarded it on. SInce home
stations do not do call-sign substitution, the original RELAY is just
marked with a * and forwarded on.

Once these packets got into the WIDE part of the network, they were

forwarded out 3 hops and the WIDE3-3 counted down to 0 as it should.

Fortunately the WIDEn digis in your area are set to NOID so that
subsequent digis did not obliterate the original call of the first WIDE
digi (WA2DQL-1) that heard the packet direct.

This shows how valuable it is for DIGIS to have NOID set.

de WB4APR, Bob

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359. [aprssig] Re: Just when you thought you knew WIDEn-N

From: Brian <n3vn@qsl.net>
Date: Sat, 15 Sep 2001 11:19:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36340-2001.09.15-10.46.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting, but I also wonder about the "RFONLY". Does that really work? I
thought only x-no-archive or X-no-ar stops packets from being stored on
Find-u, but all traffic that reaches an i-gate goes to internet. Am I
missing out on something new?

At 05:28 PM 9/14/2001, E. Tupis W2EV wrote:
> > 15:44:38T W2EV>CQ,RELAY,WIDE3-3,RFONLY <UI C Len=23>:
> > 15:44:43R W2EV>CQ,WA2DQL-1*,WIDE3-3,RFONLY <UI C Len=23>:
> > 15:44:44R W2EV>CQ,RELAY*,WIDE3-2,RFONLY <UI C Len=23>:
> > 15:44:45R W2EV>CQ,RELAY*,WIDE3-1,RFONLY <UI C Len=23>:
> > 15:44:47R W2EV>CQ,RELAY*,WIDE3,RFONLY <UI C Len=23>:
>
>Ok...I guess what I have here is a local station, who's MYCALL is RELAY
>and who has a NODUPE time of zero, maybe?
>
>Ev, W2EV
>
>ps...payload removed for clarity.

Brian (N3VN)
http://www.qsl.net/n3vn/

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360. [aprssig] PocketAPRS

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Sep 2001 06:53:52 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36360-2001.09.15-16.17.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Gents,
>
> I am running Pocket APRS .
>
> Packets are showing up ok in the packet and terminal screen.
>
> I am not seeing anybody in the heard list.
>
> Am I doing something wrong ?
>
> Andrew
>

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361. [aprssig] Re: PocketAPRS

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Sep 2001 08:27:18 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36364-2001.09.15-17.51.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry,

I should have given u more info:-

1. Not running KISS mode
2. reduced back to 1200 baud because of overflow
3. No Font Hacks installed, just PalmSat program
4. Stations packets go past in view packets screen
5. Says "0 stations" in Stations Heard Screen

Confused

Andrew

----- Original Message -----
From: Ciemon G0TRT <g0trtlists@btinternet.com>
To: Andrew Rich <andrew.rich@bigpond.com>
Sent: 16 September, 2001 8:04 AM
Subject: RE: [aprssig] PocketAPRS

> Hi Andrew,
>
> There are various hacks available for the PalmPilot. They're called hacks
> but they're more like exploiters ie for taking the OS further. Font hack
> enables you to use other fonts rather than the couple that come as
standard.
>
> I used font hack for some time, but pocketAPRS didn't like it and I got
> absolutely no text whilst I had font hack. Once the util was deleted,
> pocketAPRS was fine.
>
> Hope that helps..
>
> 73...Ciemon
>
>

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362. [aprssig] AEA PK232 Putting Stars on Callsigns

From: "Michael J. Wolthuis" <kb8zgl@miaprs.net>
Date: Sat, 15 Sep 2001 19:14:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36366-2001.09.15-18.34.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the East Lansing, MI IGATE we recently lost our TNC and have swapped it
temporarily with an AEA PK232 until we can get a KPC3.

Problem is it appears we are having a * appended to all stations heard
locally.

This is a big problem as it sends these calls to findu.com and to javAPRS
where we are using it and looks pretty bad.

Is there an easy solution to this problem? Is it a misconfigured setting in
the PK-232? As this is an IGATE it is setup with MYCALL and MYALIAS of
RELAY and that is it.

You can see the problem at elansing.aprs.net on 14579.
Thanks for everyone's help!

Mike Wolthuis
kb8zgl

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363. [aprssig] APRS at the DCC -- Friday Schedule

From: "John R. Ackermann" <jra@febo.com>
Date: Sun, 16 Sep 2001 14:39:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36478-2001.09.16-14.04.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We're looking forward to the APRS "Friday Forum" at the Digital
Communications Conference in Cincinnati. Due to the events of last week,
we've had some speakers cancel and have decided to start the Forum at 1:00
Friday afternoon rather than in the morning. Here's the tentative schedule
(order, time and length of presentations are still subject to change):

1:00 - 1:15 Welcome and Introduction -- Steve Dimse, K4HG
1:15 - 1:20 TinyTrak II -- Byon Garrabrant, N6BG
1:20 - 2:00 EasyTrack/EasyTrak Jr. -- Steve Bible, N7HPR
2:00 - 2:30 The Incredible Shrinking Tracker -- Mike Musick, N0QBF
2:00 - 2:30 Embedded Linux GPS tracker and AVL Unit -- Jeff King, WB8WKA
2:30 - 3:00 Break
3:00 - 3:30 FindU and Other Things Internet -- Steve Dimse, K4HG
3:30 - 3:45 WinCE-APRS -- Rob Wittner, KZ5RW
3:45 - 4:00 PocketAPRS Update -- Mike Musick, N0QBF
4:00 - 4:30 APRS Internet Connections 101 -- Bill Diaz, KC9XG

It'll be a great program!

On Friday evening, the Packet Radio Users Group of Tokyo, Japan will be
sponsoring a hospitality room, and although travel difficulties prevent any
PRUG membes from being there "live", we will be presenting their program
about the latest digital radio activities in Japan, so if you're coming for
the APRS program, please plan to stay for what promises to be an
interesting evening event.

You can still register for the DCC by contacting the TAPR office through
Wednesday. You can also register at the door on Friday.

For more details about the DCC, check
http://www.tapr.org/tapr/html/Fdccconf.html.

73,
John N8UR

PS -- We plan to have an APRS object for the DCC location up by late
Thursday to help you navigate.

John Ackermann   N8UR   jra@febo.com   http://www.febo.com
President, TAPR   n8ur@tapr.org   http://www.tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

364. [aprssig] Win2K and the internet with APRS

From: "n1iic Jason Greene" <n1iic@qsl.net>
Date: Sun, 16 Sep 2001 15:20:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36482-2001.09.16-14.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings everyone. My spologies if this has been asked before, but I am not
always able to read every digest. I have not found any info in the docs I
have.
I am running Win2K and WinAPRS 2.5.1 and I am trying to use a TCP/IP
connection. Is there a special trick, or am I out of luck?

Thanks

Jason

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365. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "Jim Scott" <db3003@dragonbbs.com>
Date: Sun, 16 Sep 2001 16:25:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36487-2001.09.16-15.49.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

since the original agenda was going to be 10 hours for a $25.00
registration, will you be reducing the registration fee to reflect the
reduced hours (looks like a 66% reduction in content)?

jim scott
n8orj
----- Original Message -----
From: John R. Ackermann <jra@febo.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 16, 2001 2:39 PM
Subject: [aprssig] APRS at the DCC -- Friday Schedule

> We're looking forward to the APRS "Friday Forum" at the Digital
> Communications Conference in Cincinnati. Due to the events of last week,
> we've had some speakers cancel and have decided to start the Forum at 1:00
> Friday afternoon rather than in the morning. Here's the tentative
schedule
> (order, time and length of presentations are still subject to change):
>
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> 1:20 - 2:00 EasyTrack/EasyTrak Jr. -- Steve Bible, N7HPR
> 2:00 - 2:30 The Incredible Shrinking Tracker -- Mike Musick, N0QBF
> 2:00 - 2:30 Embedded Linux GPS tracker and AVL Unit -- Jeff King, WB8WKA
> 2:30 - 3:00 Break
> 3:00 - 3:30 FindU and Other Things Internet -- Steve Dimse, K4HG
> 3:30 - 3:45 WinCE-APRS -- Rob Wittner, KZ5RW
> 3:45 - 4:00 PocketAPRS Update -- Mike Musick, N0QBF
> 4:00 - 4:30 APRS Internet Connections 101 -- Bill Diaz, KC9XG
>
> It'll be a great program!
>
> On Friday evening, the Packet Radio Users Group of Tokyo, Japan will be
> sponsoring a hospitality room, and although travel difficulties prevent
any
> PRUG membes from being there "live", we will be presenting their program
> about the latest digital radio activities in Japan, so if you're coming
for
> the APRS program, please plan to stay for what promises to be an
> interesting evening event.
>
> You can still register for the DCC by contacting the TAPR office through
> Wednesday. You can also register at the door on Friday.
>
> For more details about the DCC, check
> http://www.tapr.org/tapr/html/Fdccconf.html.
>
> 73,
> John N8UR
>
> PS -- We plan to have an APRS object for the DCC location up by late
> Thursday to help you navigate.
>
> ----
> John Ackermann   N8UR jra@febo.com http://www.febo.com
> President, TAPR n8ur@tapr.org http://www.tapr.org
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

366. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "John W.(Bill) Hays" <w0omv1@home.com>
Date: Sun, 16 Sep 2001 15:37:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36488-2001.09.16-16.01.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim,

Do you think that the cost to the DCC of the rental for the convention
facilities was reduced?

I'll bet not!!!!!

I'm surprised at your even asking...

Bill W0OMV

Jim Scott wrote:
>
> since the original agenda was going to be 10 hours for a $25.00
> registration, will you be reducing the registration fee to reflect the
> reduced hours (looks like a 66% reduction in content)?
>
<SNIP>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

367. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "Jim Scott" <db3003@dragonbbs.com>
Date: Sun, 16 Sep 2001 16:44:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36490-2001.09.16-16.08.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

actually yes i do. meeting space is usually rented in time blocks.
hopefully the committee has been able to return several blocks of time back
to the hotel and received a comparable reduction in cost.   my travel time
will now exceed the length of the meeting

jim scott
n8orj

----- Original Message -----
From: John W.(Bill) Hays <w0omv1@home.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 16, 2001 4:37 PM
Subject: [aprssig] Re: APRS at the DCC -- Friday Schedule

> Jim,
>
> Do you think that the cost to the DCC of the rental for the convention
> facilities was reduced?
>
> I'll bet not!!!!!
>
> I'm surprised at your even asking...
>
> Bill W0OMV
>
> Jim Scott wrote:
> >
> > since the original agenda was going to be 10 hours for a $25.00
> > registration, will you be reducing the registration fee to reflect the

> > reduced hours (looks like a 66% reduction in content)?
> >
> <SNIP>
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

368. [aprssig] Re: Win2K and the internet with APRS

From: Earl Needham <needhame@yucca.net>
Date: Sun, 16 Sep 2001 15:03:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36494-2001.09.16-16.27.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:20 PM 9/16/2001 -0400, n1iic Jason Greene wrote:
>Greetings everyone. My spologies if this has been asked before, but I am not
>always able to read every digest. I have not found any info in the docs I
>have.
>I am running Win2K and WinAPRS 2.5.1 and I am trying to use a TCP/IP
>connection. Is there a special trick, or am I out of luck?

Jason, MINE works just as easy as in W98 -- just go to the
SETTINGS, menu, then TCP/IP Connections, etc...No changes.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

369. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "John R. Ackermann" <jra@febo.com>
Date: Sun, 16 Sep 2001 17:07:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36495-2001.09.16-16.31.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I hate getting into public discussions about things like this, but since
Jim seems very concerned about it...

Our costs haven't gone down as a result of shortening the APRS
presentation. The biggest driver of cost for the DCC is whether or not we
meet the guaranteed number of hotel guest room nights. If we don't, our
costs go up by hundreds if not thousands of dollars because the hotel
starts charging for things that we'd otherwise get for free. Under the
circumstances, no one can have a high level of confidence that all the room
nights that have currently been reserved will end up being sold. If that's
the case, our costs will go up, rather than down, from our budgeted amount.

For what it's worth, the APRS Forum registration price this year is the
same as it's been in previous years when the program was only 1/2 day --
we're effectively back to the same schedule and cost/minute as last year.

I've already written privately to Jim and offered to refund his
registration if he feels he's no longer getting his money's worth.

73,

John N8UR
President, TAPR
jra@febo.com -- n8ur@tapr.org

--On Sunday, September 16, 2001 4:44 PM -0400 Jim Scott
<db3003@dragonbbs.com> wrote:

> actually yes i do. meeting space is usually rented in time blocks.
> hopefully the committee has been able to return several blocks of time
> back to the hotel and received a comparable reduction in cost.   my
> travel time will now exceed the length of the meeting
>
> jim scott
> n8orj
>
> ----- Original Message -----
> From: John W.(Bill) Hays <w0omv1@home.com>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Sunday, September 16, 2001 4:37 PM
> Subject: [aprssig] Re: APRS at the DCC -- Friday Schedule
>
>
>> Jim,
>>
>> Do you think that the cost to the DCC of the rental for the convention
>> facilities was reduced?
>>
>> I'll bet not!!!!!
>>
>> I'm surprised at your even asking...
>>
>> Bill W0OMV
>>
>> Jim Scott wrote:
>> >
>> > since the original agenda was going to be 10 hours for a $25.00
>> > registration, will you be reducing the registration fee to reflect the
>> > reduced hours (looks like a 66% reduction in content)?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

370. [aprssig] CueCat's dead...

From: Earl Needham <needhame@yucca.net>
Date: Sun, 16 Sep 2001 17:16:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36515-2001.09.16-18.42.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The CueCat has died -- see
http://www.zdnet.com/eweek/stories/general/0,11011,2811841,00.html

        7 3
        Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

371. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sun, 16 Sep 2001 19:53:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-36522-2001.09.16-20.18.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Meeting commitments are made long in advance and they don't change in the
last moments...

Send me your address and I will sent you a five dollar bill. I just wish I
could go at twice the price...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Jim Scott
Sent: Sunday, September 16, 2001 3:44 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS at the DCC -- Friday Schedule

actually yes i do. meeting space is usually rented in time blocks.
hopefully the committee has been able to return several blocks of time back
to the hotel and received a comparable reduction in cost.   my travel time
will now exceed the length of the meeting

jim scott
n8orj

----- Original Message -----
From: John W.(Bill) Hays <w0omv1@home.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 16, 2001 4:37 PM
Subject: [aprssig] Re: APRS at the DCC -- Friday Schedule

> Jim,
>
> Do you think that the cost to the DCC of the rental for the convention
> facilities was reduced?
>
> I'll bet not!!!!!
>
> I'm surprised at your even asking...
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> Bill W0OMV
>
> Jim Scott wrote:
> >
> > since the original agenda was going to be 10 hours for a $25.00
> > registration, will you be reducing the registration fee to reflect the
> > reduced hours (looks like a 66% reduction in content)?
> >
> <SNIP>
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

372. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sun, 16 Sep 2001 19:53:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36521-2001.09.16-20.17.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Get a life!!!!

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Jim Scott
Sent: Sunday, September 16, 2001 3:25 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS at the DCC -- Friday Schedule

since the original agenda was going to be 10 hours for a $25.00
registration, will you be reducing the registration fee to reflect the
reduced hours (looks like a 66% reduction in content)?

jim scott
n8orj
----- Original Message -----
From: John R. Ackermann <jra@febo.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 16, 2001 2:39 PM
Subject: [aprssig] APRS at the DCC -- Friday Schedule

> We're looking forward to the APRS "Friday Forum" at the Digital
> Communications Conference in Cincinnati. Due to the events of last week,
> we've had some speakers cancel and have decided to start the Forum at 1:00
> Friday afternoon rather than in the morning. Here's the tentative
schedule
> (order, time and length of presentations are still subject to change):
>
> 1:00 - 1:15 Welcome and Introduction -- Steve Dimse, K4HG
> 1:15 - 1:20 TinyTrak II -- Byon Garrabrant, N6BG
> 1:20 - 2:00 EasyTrack/EasyTrak Jr. -- Steve Bible, N7HPR
> 2:00 - 2:30 The Incredible Shrinking Tracker -- Mike Musick, N0QBF
> 2:00 - 2:30 Embedded Linux GPS tracker and AVL Unit -- Jeff King, WB8WKA
> 2:30 - 3:00 Break
> 3:00 - 3:30 FindU and Other Things Internet -- Steve Dimse, K4HG
> 3:30 - 3:45 WinCE-APRS -- Rob Wittner, KZ5RW
> 3:45 - 4:00 PocketAPRS Update -- Mike Musick, N0QBF
> 4:00 - 4:30 APRS Internet Connections 101 -- Bill Diaz, KC9XG
>
> It'll be a great program!
>
> On Friday evening, the Packet Radio Users Group of Tokyo, Japan will be
> sponsoring a hospitality room, and although travel difficulties prevent
any
> PRUG membes from being there "live", we will be presenting their program
> about the latest digital radio activities in Japan, so if you're coming
for
> the APRS program, please plan to stay for what promises to be an
> interesting evening event.
>
> You can still register for the DCC by contacting the TAPR office through
> Wednesday. You can also register at the door on Friday.
>
> For more details about the DCC, check
> http://www.tapr.org/tapr/html/Fdccconf.html.
>
> 73,
> John N8UR
>
> PS -- We plan to have an APRS object for the DCC location up by late
> Thursday to help you navigate.
>
> ----
> John Ackermann   N8UR jra@febo.com http://www.febo.com
> President, TAPR n8ur@tapr.org http://www.tapr.org
>
> ---
> You are currently subscribed to aprssig as: JSCOTT@DRAGONBBS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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373. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Mon, 17 Sep 2001 17:20:09 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36575-2001.09.17-02.46.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People

I will not be attending the DCC this year... I had been intending to...

But as I write this (initially Sunday and monday my time) I am sitting in my office at home contemplating the world arround me, and how much has changed in the last week. It is now about 25 minutes before the time I would have been leaving Australia for the DCC, and if things were a bit different I would be about ready to board for the 13 hour flight to LA, and the 5 hour flight to Cincinatti.

But that is not how things are. If the flight does leave it will be one of the first to the USA since Tuesday. Initally stranded in Australia have been Bill Clinton and Brittany Spears, although Clinton has since left on a military flight. Since the planes that travel to and from the USA from Australia are not only larger than those that casued so much devastation this week, but need to travel further, most would not be surprised at the reluctance to resume these flights.

>From Australia I have seen the New York hams working tirelessly to provide communications. I have no doubt that there were many hams killed in this disaster.

My decision not to be at the DCC was not taken lightly. In the space of my two week trip I had intended to be in the air for about forty (40) hours. If the risk had been limited to flights only, I probably would have gone. But during the trip I had intended to make a number of train trips, visit high profile tourist destinations (Disneyland, Universal Studios, Hollywood) as well as LAX Airport itself.

In the end it was the impact that my impending visit was having on my immediate and extended family that caused me to pull out. This was a hard decision to make... As I knew the DCC would be impacted because of it. You see I had been intending to give a presentation at the APRS Talk... And that talk would have gone at least an hour...

But even though I am not coming this year I am still committed to the DCC, and to TAPR. I have not asked for a refund because of the APRS talk being shorter. In fact I have asked that my registration fee is kept by TAPR to pay for the DCC, or used in another project if the money is not needed. I saw spending the money to come to the DCC from Australia good value, even without attending myself. Without the DCC where would high tech experimentation be in Ham Radio...

I hope that my presentation will actually be given... I have forwarded the organisers my presentation (All 33 Mbytes of it, after removing bits that are no longer appropriate), and the organisers are hoping to get someone else to present it for me.

To summerise I am committed to the DCC, and I hope all other members of the SIG are too...

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au for domain names

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

374. [aprssig] Re: Internet

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 17 Sep 2001 08:07:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36598-2001.09.17-07.28.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Would anyone like to re-start the debate over the wisdom of sending
> APRS info to the Internet now?

Originally I made a fairly flippant answer to this question, as I really
didn't
think it was asked with a mindset to begin another debate.

However, I WILL say that no matter what happens, we've all learned in
the last few days how precious our freedoms are. And how they can
cost us dearly when they are taken advantage of.

No weapons on airplanes. Sounds good, right? But does that mean
no more meals? Only finger foods? Subs and wrapped sandwiches?
(Ok ok, it might inprove some airline food a lot!)

But no security system to block access is perfect. Disruptive elements
will manage t get by the system eventually, no matter what is done. Now
will the passengers all turn to sheep? We've all seen what is suspected
of bringing down that last airliner. Americans will NOT go quietly into
the night. At least, not when they know the mission.

What the heck does this have to do with HAM radio and APRS?

Everything. At least, from the debate that might start off the original
question.

Just remember, ALL security is nothing more than an incremental
protection. It's not absolute. You CANNOT rely on the 'front end' as
your only security. Doing so runs the risk of impacting the very
programs we are trying to implement.

"There is no security other than the realization that there is no
security."

Mike

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375. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 17 Sep 2001 08:59:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36605-2001.09.17-08.23.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 16 Sep 2001, John R. Ackermann wrote:

> We're looking forward to the APRS "Friday Forum" at the Digital
> Communications Conference in Cincinnati. Due to the events of last week,
> we've had some speakers cancel and have decided to start the Forum at 1:00
> Friday afternoon rather than in the morning.

My apologies to the group, but due to events, our APRS Satellite launch
(PCsat) has now slipped from 1 Sept, to 12, to 18, and now to 21 Sept, so
that is why I had to cancel my trip to DCC. Hopefully if things go as now
planned, I won't be there, but the satellite will! (overhead)

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

376. [aprssig] Re: APRS at the DCC -- Friday Schedule

From: Steve Bragg <steve.bragg@itelemetry.net>
Date: Mon, 17 Sep 2001 10:35:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36635-2001.09.17-11.41.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Darryl Smith wrote:

> <snip>
> Without the DCC where would high
> tech experimentation be in Ham Radio...

While DCC seems to be a good forum for the sharing of information, it is
not the sine-qua-non for experimentation in digital Ham Radio.
Experimentation goes on, even among people who have never attended (and
may never attend) a DCC.

People also think that the best projects in Ham Radio are published in
QST. Many of the best projects in Ham Radio are done by people who
aren't even members of ARRL.

Just wanted to point that out.

73,

Steve Bragg KA9MVA
```
--- __ __ ___  _____ __  ____    _____
   / //_//   | / __ \/  |/  / |  / /   |
  / ,<  / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |\__, / /  / / | |/ / ___ |
/_/ |_/_/  |_/____/_/  /_/  |___/_/  |_|
```
==========
Steve Bragg KA9MVA   steve@hamhud.net
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Find my HamHUD with findu!
http://www.findu.com/cgi-bin/find.cgi?call=ka9mva-3&radar=***

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

377. [aprssig] Re: One GPS, two serial ports?

From: "Curt Mills, WE7U" <we7u@mail.com>
Date: Mon, 17 Sep 2001 12:24:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36665-2001.09.17-12.49.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a very nice technical solution for Unix/Linux boxes
(GPSD daemon), but I don't know of anything similar for
Windows. GPSD allows any number of computers or applications
to all get the same GPS data.

Depending on the output voltages from your GPS's and the
voltages that your computers like to receive, you might be
able to get away with a "Y" cable, where the GPS output goes to
two computer inputs. Make sure that you don't wire two computer
outputs both into one GPS input though.
Two wires out of the GPS (signal and ground) connected to input
and ground on each of the two computers is all you need.

Curt, WE7U
we7u@mail.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

378. [aprssig] Re: One GPS, two serial ports?

From: "Craig Brunson" <Brunson1@gte.net>
Date: Mon, 17 Sep 2001 10:39:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36666-2001.09.17-13.01.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I did this for inputting the GPS data both into a D700 & KPC3+ to be able to have the front panel aprs display & play with WinAPRS at the same time. The audio out from the D700 fed the KPC3+ input.

I have done this with the output from my home TNC, to be able to leave my WinAPRS station up 24/7 & to be able to 'listen' in with APRS+SA & learn how to operate it. I used to get a lot of errors from my TNC when closing one & opening the other.

I plan on building a buffer to be able to have multiple outputs on one GPS for special requirements.

73
Craig
N7TSZ

----- Original Message -----
From: "Curt Mills, WE7U" <we7u@mail.com>

> Depending on the output voltages from your GPS's and the
> voltages that your computers like to receive, you might be
> able to get away with a "Y" cable, where the GPS output goes to
> two computer inputs. Make sure that you don't wire two computer
> outputs both into one GPS input though.
> Two wires out of the GPS (signal and ground) connected to input
> and ground on each of the two computers is all you need.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

379. [aprssig] tiny trak

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 17 Sep 2001 14:07:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36672-2001.09.17-13.32.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm going to ask this question because I'm kind of short on time....

Is is possible to format the status text in a tiny trak to send an email message? My application is to use a tiny trak as an alarm of sorts. When activated, I want it to beacon positions AND send me an email to indicate it's active. My parents have had a trailer stolen and we want to put a tracker the new one. It will sit dormant with a car battery on it and a cable staked to the ground. We'd like to use an RV emergency break-away switch to turn it on when the thief drives away with it.

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

380. [aprssig] Re: One GPS, two serial ports?

From: Jeff King <jeff@aerodata.net>
Date: Mon, 17 Sep 2001 14:18:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36680-2001.09.17-14.04.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

GPSD is what I am using in my Linux tracker. It is very nice, similar in concept to that windows AX.25 software driver I have seen (forgot the name of it though). It wouldn't be all that hard to do something similar for windows.... GPSD just parses a few of the sentences and either allows you to get a raw stream or poll certain parmeters, I believe something could be done in Borland Delphi or C++ builder

fairly quickly for windows that would be similar to GPSD. Of course,
the problem is the client applications need to be able to talk to
a telnet socket instead of a serial port.

Oh Curt, do you know if there is a version of GPSD that parses the
heading? The version I have does not, so I'm wondering if that was
a oversight.

73

Jeff

On Mon, 17 Sep 2001, Curt Mills, WE7U wrote:

> There is a very nice technical solution for Unix/Linux boxes
> (GPSD daemon), but I don't know of anything similar for
> Windows. GPSD allows any number of computers or applications
> to all get the same GPS data.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

381. [aprssig] Xastir link on TAPR's site?

From: "Curt Mills, WE7U" <we7u@mail.com>
Date: Mon, 17 Sep 2001 14:5:6
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36691-2001.09.17-14.29.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I requested some months ago that an Xastir link be added to the TAPR web
site but have seen no mention of it. Considering that it is the
leading APRS program on Unix and Unix-like operating systems (and is
also FREE), it seems a tragedy not to include it. Many people first
getting into APRS will visit the TAPR pages. It'd be nice if they
new that something like Xastir actually existed. Perhaps there's
a link hidden somewhere on the TAPR pages that I haven't visited yet.

This is one web page that should have a link to Xastir added to it:

        http://www.tapr.org/tapr/html/Faprssig.html

How about some of you Solaris/NetBSD/FreeBSD/Linux enthusiasts
helping out by _nicely_ requesting to the TAPR webmaster that a
link be added? Perhaps if they get 10 or 20 requests they might
consider it.

        http://www.xastir.org

Curt, WE7U
we7u@mail.com
Xastir: When 112 map formats just aren't enough!

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382. [aprssig] Re: One GPS, two serial ports?

From: "Curt Mills, WE7U" <we7u@mail.com>
Date: Mon, 17 Sep 2001 14:12:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36695-2001.09.17-14.36.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> do you know if there is a version of GPSD that parses the
> heading? The version I have does not, so I'm wondering if that was
> a oversight.

Sorry, couldn't tell you. I hacked on GPSD itself and the
Xastir interface to GPSD a year or more ago. I haven't really
put it through its paces recently.

Curt, WE7U
we7u@mail.com

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383. [aprssig] Re: Xastir link on TAPR's site?

From: "Curt Mills, WE7U" <we7u@mail.com>
Date: Mon, 17 Sep 2001 14:49:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36713-2001.09.17-15.13.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Many people first getting into APRS will visit the TAPR pages. It'd
> be nice if they new that something like Xastir actually existed

Oops. I of course meant "knew that it existed".

Curt, WE7U.
we7u@mail.com

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384. [aprssig] Re: Xastir link on TAPR's site?

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Mon, 17 Sep 2001 14:31:26 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36743-2001.09.17-16.55.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There's no link to send mail to the Webmaster on the page. :-(

--- "Curt Mills, WE7U" <we7u@mail.com> wrote:
> I requested some months ago that an Xastir link be added to the
> TAPR web site

Digi-ned and UI-View should also be added. Also Ham-Hud is
very active. Of course this could quickly lead to link overload.

Careful Curt - you might get nominated.   Then you wouldn't
have time to work on adding more maps to Xastir.

Bill, WA7NWP

_____
Terrorist Attacks on U.S. - How can you help?
Donate cash, emergency relief information
http://dailynews.yahoo.com/fc/US/Emergency_Information/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] Re: Xastir link on TAPR's site?

From: Guy Story <kc5goi@kc5goi.net>
Date: Mon, 17 Sep 2001 22:10:04 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>"
 <LYR10709-36691-2001.09.17-14.29.24--kc5goi#tapr.org@lists.tapr.org>
Message-ID: <LYR842-36753-2001.09.17-17.34.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curt, currently all the APRS software pointers point to the ftp
directory. Since Xastir is being served up via CVS, I can see about
adding a link to the CVS web site on the APRS/GPS window.

73

Guy Story, KC5GOI
kc5goi@tapr.org
TAPR Web Administrator

>>>>>>>>>>>>>>>>> Original Message <<<<<<<<<<<<<<<<<

On 9/17/01, 9:05:06 AM, "Curt Mills, WE7U" <we7u@mail.com> wrote regarding
[aprssig] Xastir link on TAPR's site?:

> I requested some months ago that an Xastir link be added to the TAPR web
> site but have seen no mention of it. Considering that it is the
> leading APRS program on Unix and Unix-like operating systems (and is
> also FREE), it seems a tragedy not to include it. Many people first
> getting into APRS will visit the TAPR pages. It'd be nice if they
> new that something like Xastir actually existed. Perhaps there's
> a link hidden somewhere on the TAPR pages that I haven't visited yet.

> This is one web page that should have a link to Xastir added to it:

>   http://www.tapr.org/tapr/html/Faprssig.html

> How about some of you Solaris/NetBSD/FreeBSD/Linux enthusiasts
> helping out by _nicely_ requesting to the TAPR webmaster that a
> link be added? Perhaps if they get 10 or 20 requests they might
> consider it.

>   http://www.xastir.org

> Curt, WE7U
> we7u@mail.com
> Xastir: When 112 map formats just aren't enough!

> ---
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> To unsubscribe send a blank email to leave-aprssig-10709M@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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386. [aprssig] agwpe new ver. 2001.38 released

From: "Bill Kearns" <billk@inland.net>
Date: Mon, 17 Sep 2001 14:40:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36757-2001.09.17-17.56.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

below is from george:

>>Hi

I have just uploaded the new version. Now bot sites are working
www.elcom.gr/sv2agw
www.raag.org/sv2agw

The new version has
1.The 300b HF modem and the tunning aid optimized.

2.The sleepy frame problem corrected. In fact it was a DAMA side effect. Now
both DAMA and EAX25 monitor support are
user configurable. This means that if you are using a DAMA server you have
to turn on DAMA support from properties second page for the specific port.

3.Found, yesterday night the PTT hung on problem and corrected it.

4.2001.38 is a stable version.

A few days ago i had a small disk crash. As a result i lost all my settings
as administrator in my computer, including all my emails.
As a lesson, never let win2000 to check disks on startup. Instead if it can
boot go on and try to seek damaged directories.If there any damaged
directories try to save the files somewhere else. WIN2000 trying to restore
the disk change all the damaged directories to .chk files.
Anyway i lost all my email adresses and many emails waiting for answers.

Right now i am writing other programs, not related to packet. But i will try
to write a new modem for the soundcard it will be a qpsk modem
capable for high speed with no special tranceiver. I am investigating the
possibilities.....Lets see!!!!!!

73
(SV2AGW)George Rossopoulos
sv2agw@pigeon.ee.auth.gr
sv2agw@raag.org
http://www.elcom.gr/sv2agw

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387. [aprssig] Re: tiny trak

From: Doug McFadden <kc7imr@orednet.org>
Date: Mon, 17 Sep 2001 15:55:25 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36763-2001.09.17-18.25.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 17 Sep 2001, Wes Johnston wrote:

> Date: Mon, 17 Sep 2001 14:07:34 -0400
> From: Wes Johnston <wes@johnston.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] tiny trak
>
> I'm going to ask this question because I'm kind of short on time....
>
> Is is possible to format the status text in a tiny trak to send an email
> message? My application is to use a tiny trak as an alarm of sorts. When
> activated, I want it to beacon positions AND send me an email to indicate
> it's active. My parents have had a trailer stolen and we want to put a
> tracker the new one. It will sit dormant with a car battery on it and a
> cable staked to the ground. We'd like to use an RV emergency break-away
> switch to turn it on when the thief drives away with it.
>

Using Linux, I would be inclined to do something like:

```
listen | grep "tiny_trak_alarm_call-9" > outfile.txt
```

Then use a "cron" job to check "outfile.txt" for "tiny_trak_alarm_call-9"
and if found send e-mail:

```
if [ -z outfile.txt ]
then  exit
echo "Thieves stole the trailer again `date`" > out.txt
cat outfile.txt >> out.txt
cat out.txt | mail -s Alarm wes@johnson.net
```

Assumming you're running Linux and the newer versions have the "listen"
program?

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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388. [aprssig] Re: Xastir link on TAPR's site?

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 17 Sep 2001 16:10:19 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36764-2001.09.17-18.34.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Sep 17, 2001 at 02:31:26PM -0700, Bill Vodall wrote:
>
> There's no link to send mail to the Webmaster on the page. :-(
>
> --- "Curt Mills, WE7U" <we7u@mail.com> wrote:
> > I requested some months ago that an Xastir link be added to the
> > TAPR web site
>
> Digi-ned and UI-View should also be added. Also Ham-Hud is
> very active. Of course this could quickly lead to link overload.

As I mentioned to Curt privately, there actually is an Xastir entry in
the aprssig software listings at tapr.org. I redid it as a symbolic
link to the xastir directory under the Software Library, which I
maintain, which has 0.3.6 and 1.0.0. Others can be added, as well (no
I will not put a cvs script there!)

Of course, the APRSSIG listing doesn't have a link on the main page to
the ftp area, unlike the other SIGs. There is one from the aprssig
link, however unfortunately browsers typically don't like symlinks.

There is an write-only upload directory under aprssig, which would be the
appropriate location to put the files for the SIG software person
(k9orp).

73, Bob

--
Bob Nielsen, N7XY   nielsen@oz.net
Bainbridge Island, WA   http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

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389. [aprssig] AFilter254 Released

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 17 Sep 2001 21:33:22
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36780-2001.09.17-21.57.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AFilter 2.5.4.

Fixed problem decoding compressed locations.

Added code to reject looping 3rd party messasges.

Added filtered logging option to log APRS messages with no acks.

Added View file filter reject option. When reject filter is active, the
display will not include lines that include the filter string.

The author of AFilter is Bill Diaz, KC9XG

Can be downloaded at: http://www.digitaldune.net/~ahubwest/files/

Dick, KB7ZVA

"God Bless America"

Southwest Arizona APRS Group
AHub Web Site: http://www.digitaldune.net/~ahubwest/
ahubwest.net port 2023 (World-wide APRS Feed)
ahubwest.net port 14579 (Regional Western States Feed)

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390. [aprssig] Re: tiny trak

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Mon, 17 Sep 2001 22:58:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36783-2001.09.17-22.28.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ummmm.... thanks... but that sounds a little complicated... It has to hit MY
Xbox to work (and I don't have a copy of X running).... if my PC is down
then I'm SOL. I'm sorry to have bothered everyone.. Once I got home today,
I ran the tiny track config program and was able to seed the text
:EMAIL   :wes@johnston.net Trailer stolen

in the message box. With a path of relay, wide, wide3-3 I should get to an
igate.

Maybe this will help someone one day! ;)

Wes

----- Original Message -----
From: "Doug McFadden" <kc7imr@orednet.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 17, 2001 18:55
Subject: [aprssig] Re: tiny trak

> On Mon, 17 Sep 2001, Wes Johnston wrote:
>
> > Date: Mon, 17 Sep 2001 14:07:34 -0400
> > From: Wes Johnston <wes@johnston.net>
> > To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> > Subject: [aprssig] tiny trak
> >
> > I'm going to ask this question because I'm kind of short on time....
> >
> > Is is possible to format the status text in a tiny trak to send an email
> > message? My application is to use a tiny trak as an alarm of sorts.
When
> > activated, I want it to beacon positions AND send me an email to
indicate
> > it's active. My parents have had a trailer stolen and we want to put a
> > tracker the new one. It will sit dormant with a car battery on it and a
> > cable staked to the ground. We'd like to use an RV emergency break-away
> > switch to turn it on when the thief drives away with it.
> >
> Using Linux, I would be inclined to do something like:
>
> listen | grep "tiny_trak_alarm_call-9" > outfile.txt
>
> Then use a "cron" job to check "outfile.txt" for "tiny_trak_alarm_call-9"
> and if found send e-mail:
>
> if [-z outfile.txt]
> then exit
> echo "Thieves stole the trailer again `date`" > out.txt
> cat outfile.txt >> out.txt
> cat out.txt | mail -s Alarm wes@johnson.net
>
> Assumming you're running Linux and the newer versions have the "listen"
> program?
>
> Doug/KC7IMR
>
> Trying to establish voice contact ... please yell into your keyboard.
> -=-
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

>

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391. [aprssig] APRS DCC Initiative

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 17 Sep 2001 23:45:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36822-2001.09.17-23.10.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

2001 DCC APRS Initiative:

I offer this for casual discussion at DCC since I can't be there:

I was hoping to use this years DCC to launch a new initiative in APRS.
The APRS Working Group has just picked up two new members, Roger Barker of
UIview and Bill Diaz who wrote A-Filter. We hope their active
contributions will help us focus on what needs to be done. In some areas
APRS is fractionalizing and may lack the original focus. APRS was
supposed to:

 * Provide real-time tactical digital communications anytime, anywhere
 * Work for anyone, whether they be newcommers or experienced
 * Have defaults ensuring functionality without custom configuration
 * Mobiles should work anywhere without need for reconfiguration
 * Work seamlessly within a consistent network where users need no
   a priori knowledge of the network to join the net

Many excellent people have contributed new software, hardware and many
excellent new ideas. But some of these ideas which may have very good
results under some circumstances, may actually undermine the original
objectives of consistency and seamless operation which we considered
crucial to serving the broad spectrum of HAM radio end users.

In some areas, APRS as a consistent system is breaking in to local
factions of inconsistencies, while being married to each other by the
worldwide APRS internet connectivity. Living in such a marriage is
confusing for the end user. Here are some areas that may undermine the
original intent of APRS:

  * Some software does not support the minimum APRS Spec functions
  * Some software does not init home TNCs to the universal RELAY
  * Some Regions of DIGIS do not support the universal WIDE
  * Most software does not guide or warn users of poor practices
  * Some Regions of DIGIS do not support the passage of origin data
  * The internet does not support the passage of I-source data
  * Some Igate software does not echo to other logged-on streams
  * We have still been unable to draft an APRS Internet SPEC
  * Some software docs don't help/inform/teach the user
  * BEACONnet (a Great application!) is incompatible by 2 bytes
    which locks out thousands of Kenwood radios and other versions
  * Some versions dont do the very powerful omni-DF techniques
    which permits anyone with a radio to find a fox/jammer/signal
    (a fundamental tactical map application of radio)...
  * It is not clear if all versions display the same AREA OBJECTS
    to cover the same areas
  * It is not clear that PHG's are computed and or displayed the same

These are just some of the topics I think we all need to be working on.
These are not listed to cause controversy, but to bring to light areas of
incompatibility.

I am sorry I cannot make it to DCC due to the PCsat launch on the same
day, but maybe attendees can consider some of these topics and discuss
them with others... and lets see if we can resolve some of these
inconsistencies for the good of all end users...

de WB4APR@amsat.org, Bob

APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html

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392. [aprssig] Re: Win2K and the internet with APRS

From: "n1iic Jason Greene" <n1iic@qsl.net>
Date: Tue, 18 Sep 2001 07:18:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36878-2001.09.18-06.39.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have found a solution....

What I am running is WAPRS 2.5.1, and Win2K pro with internet connection
sharing. I was trying to use a TCP/IP connection via the internet because I
don't have a tnc on this machine. (I am playing with AGWPE a little when I
have the time.)
After choosing any server (similar to the any key), I got the TCP/IP
connection failed message. I updated the aprserve.txt and aprsxtra.txt files
and started poking around a little.
For grins and giggles I tried the proxy setting, no luck. I then tried the
winproxy setting, and BAM!! Works slicker than greased monkey snot! I used
both the IP address and localhost with success for the winproxy setting.

Jason

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393. [aprssig] Grouping Interests [was: APRS DCC Initiative]

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 18 Sep 2001 07:28:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36889-2001.09.18-06.54.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob has done a good job of outlining several (though certainly not all)
areas that are symptomatic of larger interests being missed.

I've taken the liberty of re-arranging his list of symptoms into common
groupings, to help focus on underlying issues that may, in my (only
occasinally lucid <g>) opinion, be used to focus discussion into more
productive channels.

I have obviously not thought-through these issues as long as others may
have, so please take the information re-grouping below in that context.

Ev, W2EV

There is a need to be able to measure and communicate the "level
of APRS protocol spec compatibility" that an APRS-"device" exhibits
within the context of the APRS-"device's" defined function. As an
example: a "dumb tracker" need not be able to respond to WIDEn-N
requests, yet all digipeaters must. Both devices may be seen as "100%
compatible", within the context of their intended function even though
one obviously cannot process a given APRS-Specification function.

>   * Some software does not support the minimum APRS Spec functions
>   * Some software does not init home TNCs to the universal RELAY
>   * Some Regions of DIGIS do not support the universal WIDE
>   * Some versions dont do the very powerful omni-DF techniques
>   which permits anyone with a radio to find a fox/jammer/signal
>   (a fundamental tactical map application of radio)...
>   * It is not clear if all versions display the same AREA OBJECTS
>   to cover the same areas
>   * It is not clear that PHG's are computed and or displayed the same
---
There is a need to define the level to which an APRS-"device's"
operational personality agrees with the creators' vision for how that
personality should be demonstrated.

>   * Most software does not guide or warn users of poor practices
>   * Some Regions of DIGIS do not support the passage of origin data
>   * The internet does not support the passage of I-source data
>   * Some Igate software does not echo to other logged-on streams

>   * We have still been unable to draft an APRS Internet SPEC
>   * Some software docs don't help/inform/teach the user

There is a need to allow for a mechanism by which the APRS protocol
specification can be seen as "evergreen". As new applications for
UI-Frame technology emerge, there should be clearly defined methods by
which their needs can be incorporated, as long as they don't conflict
with -- or otherwise "break" -- the integrity of the APRS service as
clearly defined by the service's creator.

>   * BEACONnet (a Great application!) is incompatible by 2 bytes
>   which locks out thousands of Kenwood radios and other versions
---

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394. [aprssig] Re: Certification Grouping Interests

From: Alex <kr1st@amsat.org>
Date: Tue, 18 Sep 2001 08:53:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36898-2001.09.18-08.11.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:

> There is a need to be able to measure and communicate the "level
> of APRS protocol spec compatibility" that an APRS-"device" exhibits
> within the context of the APRS-"device's" defined function.

I hope I understand your statement correctly, but the APRS Charter
addresses this:

<quote>
VI. Certification Committee
The Group wants to encourage the development of products that properly
implement the
APRS protocols. To that end, the Certification Committee, which is
initially composed
of all Group members, will establish a Certification Program.
</quote>

Even the financial issues are worked out to great detail, but I wonder
how many people
are willing to pay the $150 to get their application APRS certified.

At some point I thought certification was a good idea, but I changed my
mind on this after reading the Charter. It would be nice if a
certification would take place solely on technical merits rather than
also on financial and legal merits. That would be more in line with the
ham spirit I think, but perhaps the ham spirit is changing too... As the
details of the program are worked out so far I see very little incentive
for anyone to get their application certified, especially if one creates
a free application.

73,
--Alex

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

395. [aprssig] Re: APRS DCC Initiative

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Tue, 18 Sep 2001 23:02:07 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36902-2001.09.18-08.26.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Sep 17, 2001 at 11:45:48PM -0400, Bob Bruninga wrote:
>   * Some software does not support the minimum APRS Spec functions
>   * Some software does not init home TNCs to the universal RELAY
>   * Some Regions of DIGIS do not support the universal WIDE
>   * Most software does not guide or warn users of poor practices
>   * Some Regions of DIGIS do not support the passage of origin data
>   * The internet does not support the passage of I-source data

> * Some Igate software does not echo to other logged-on streams
> * We have still been unable to draft an APRS Internet SPEC
> * Some software docs don't help/inform/teach the user
> * BEACONnet (a Great application!) is incompatible by 2 bytes
>   which locks out thousands of Kenwood radios and other versions
> * Some versions dont do the very powerful omni-DF techniques
>   which permits anyone with a radio to find a fox/jammer/signal
>   (a fundamental tactical map application of radio)...
> * It is not clear if all versions display the same AREA OBJECTS
>   to cover the same areas
> * It is not clear that PHG's are computed and or displayed the same

These are good points.

I am disappointed that the APRS working group does not include any
developers who are working on open source APRS projects, or linux/unix
APRS projects, or both. There is a lot to be gained from diversity.
Developers working on Linux and/or open source products have
different views and can add a lot of value to APRS. Unfortunately,
the working group consists mostly of people who are benefitting
financially from APRS.

Regards,
Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

396. [aprssig] Re: One GPS, two serial ports?

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Tue, 18 Sep 2001 13:51:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36909-2001.09.18-09.13.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There's one GPS device I've used that has 2 serial ports, and in
contravention to the manufacturer's docs, can put out NMEA on both
ports. If you can find one of the Trimble SVee6-CM/CMII development
receivers, or a Placer400, you can make it play... usually.

I'll try to look at GPSD this week at work and see if I can make it
parse a bit more.

gerry
--
Jeff King wrote:
>
> GPSD is what I am using in my Linux tracker. It is very nice, similar
> in concept to that windows AX.25 software driver I have seen (forgot
> the name of it though). It wouldn't be all that hard to do something
> similar for windows.... GPSD just parses a few of the sentences and
> either allows you to get a raw stream or poll certain parmeters, I
> believe something could be done in Borland Delphi or C++ builder
> fairly quickly for windows that would be similar to GPSD. Of course,
> the problem is the client applications need to be able to talk to
> a telnet socket instead of a serial port.
>
> Oh Curt, do you know if there is a version of GPSD that parses the
> heading? The version I have does not, so I'm wondering if that was
> a oversight.

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397. [aprssig] Re: One GPS, two serial ports?

From: "Tony Annese" <kg4exa@hotmail.com>
Date: Tue, 18 Sep 2001 08:50:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36925-2001.09.18-11.14.47--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

The Garmin GPS35 has dual outputs also.

Tony
KG4EXA

----- Original Message -----
From: "Gerry Creager N5JXS" <gerry@cs.tamu.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, September 18, 2001 11:51 AM
Subject: [aprssig] Re: One GPS, two serial ports?

> There's one GPS device I've used that has 2 serial ports, and in
> contravention to the manufacturer's docs, can put out NMEA on both
> ports. If you can find one of the Trimble SVee6-CM/CMII development
> receivers, or a Placer400, you can make it play... usually.
>
> I'll try to look at GPSD this week at work and see if I can make it
> parse a bit more.
>
> gerry
> --
> Jeff King wrote:
> >
> > GPSD is what I am using in my Linux tracker. It is very nice, similar
> > in concept to that windows AX.25 software driver I have seen (forgot
> > the name of it though). It wouldn't be all that hard to do something
> > similar for windows.... GPSD just parses a few of the sentences and
> > either allows you to get a raw stream or poll certain parmeters, I
> > believe something could be done in Borland Delphi or C++ builder
> > fairly quickly for windows that would be similar to GPSD. Of course,
> > the problem is the client applications need to be able to talk to
> > a telnet socket instead of a serial port.
> >
> > Oh Curt, do you know if there is a version of GPSD that parses the
> > heading? The version I have does not, so I'm wondering if that was
> > a oversight.
>
> ---
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>
>

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398. [aprssig] Re: APRS DCC Initiative

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 18 Sep 2001 12:27:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-36938-2001.09.18-11.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 18 Sep 2001, Hamish Moffatt wrote:

> I am disappointed that the APRS working group does not include any
> developers who are working on open source APRS projects, or linux/unix
> APRS projects, or both. There is a lot to be gained from diversity.
> Developers working on Linux and/or open source products have
> different views and can add a lot of value to APRS. Unfortunately,
> the working group consists mostly of people who are benefitting
> financially from APRS.

I agree completely that we need a rep from the Linux group. There is no
reason they have been opmitted, other than we just havent had a chance to
meet them yet. THat is one of the reasons I am very disappointed at not being
able to go to DCC. I was hoping that the WG could meet face-to-face some
of the linux contributors and that we could further expand the
membership of the group.

Finances means nothing in this regard. What counts is working together
and producing good compatible and consistent code for the furthereance of

the APRS system.

de WB4APR, Bob

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399. [aprssig] Kuwait

From: "Kevin Pitts" <ke4rco@earthlink.net>
Date: Tue, 18 Sep 2001 13:17:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36963-2001.09.18-12.38.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Team,
Thought you would be interested in this one..
The whole world is behind us..

Effective Sept 15th 2001,
The Kuwait Amateur Radio Society (KARS), in conjunction with the Kuwait
Ministry of Communications, has authorized the use of the callsign 9K2USA.

All Radio Amateurs of Kuwait will be using this single callsign. NINE KILO
TWO United States of America will be heard on all bands, all modes being
used by all Kuwait Amateurs simultaneously.

As a small token of the sympathy and support for the people of the United
States from the citizens of Kuwait, and as an statement of deep
Condolence, the callsign will be used until the end of September.

400. [aprssig] PCsat Launch go 0100z 22 Sept

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 18 Sep 2001 13:32:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-36967-2001.09.18-12.57.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Launch of Kodiak Star with PCsat, Starshine, and Sapphire Amateur
Satellites is still go for 0100z on 22 Sept (2100 EDT on the 21st).
Launch will be carried on NASA Select TV. For more details, see the PCsat
web Page below...

Our Launch team now has flights leaving Annapolis on Wed the 19th. If they
make it to Kodiak then I think we can be comfortable with this launch
schedule. I will post any further details on Thrusday (20th) as everyone
arrives in Alaska.

If launch is successful, telemetry will be receivable about 70 minutes
after launch. User access should not be expected for 2 weeks while
on-orbit checkout is accomplished. Pre-launch KEPS are on the web page.

de WB4APR@amsat.org, Bob

PCsat   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESATs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATS   http://www.ew.usna.edu/~bruninga/astars.html

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401. [aprssig] Re: APRS DCC Initiative

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 18 Sep 2001 17:46:33 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36970-2001.09.18-13.10.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga <bruninga@usna.edu> wrote:

>On Tue, 18 Sep 2001, Hamish Moffatt wrote:

> > I am disappointed that the APRS working group does not include any
> > developers who are working on open source APRS projects, or linux/unix
> > APRS projects, or both. There is a lot to be gained from diversity.
> > Developers working on Linux and/or open source products have
> > different views and can add a lot of value to APRS. Unfortunately,
> > the working group consists mostly of people who are benefiting
> > financially from APRS.

>I agree completely that we need a rep from the Linux group.

I'm personally am glad to hear this. But some clarity might be in order so no misunderstandings develop. First of all, "linux" and "open source" can mean different
things. Do not assume one is the other. There are already vibrant open source
projects in APRS that have nothing to do with Linux. HamHud and SOTT are good
examples of this. And there are Linux projects that are not open source, although most of them are.

Also, to state "Linux group" implies some homogenous group. It would be the same as saying "Windows group" or "dos group". If one where to base the WG membership on the number of different APRS projects a particular OS supported, Linux would have a majority sitting on the WG at this time. Yet, to my knowledge, not a single person from the Open Source/Linux
community was approached to join them in the recent recruitment effort. So, I totally understand Hamish's concern.

>There is no
>reason they have been opmitted, other than we just havent had a chance to
>meet them yet.

You have not met the HamHud guys or the XASTIR guys? Seems like both have done presentations at the DCC over the years...

But is "meeting someone" a fair metric, especially in consideration of the recent WTC disaster and the effect it will have on travel? We presently have open source/Linux developers working on APRS projects in Germany, Italy, Canada, Australia, Netherlands, Russia and other countries around the world. In prior years, it would have been a onerous burden to expect these people to fly to the U.S. (which, with the exception of one year, has been the sole host country for the DCC) to "meet everyone". Today, the burden is even greater. While I can totally agree a face to face is a good thing, if APRS is to meet its global mission, it has to be able to accept some diversity, be it in OS, mind set, geo-political location, language or culture. This may require someone not having to spend 30+ hours in the air (round trip) and $1000's of dollars on air fare to join the WG.

Please do not take this as criticism of your earlier post. Take it as a suggestion for a different level of thought and consideration in this matter. You certainly raised some good points. Either consider what I said, or quietly reject it. The above is solely my own opinion, so debate on it will serve no-one. As you said, the issue is not yet closed.

73

Jeff wb8wka

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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402. [aprssig] KISS TNC

From: Robert Michaud <r.michaud@glumac-sf.com>
Date: Tue, 18 Sep 2001 10:57:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-36971-2001.09.18-13.23.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone built the W2FS PIC-BASED KISS TNC KIT? I would plan to use it
with UI View or as a spare APRS tracker. Your help is appreciated.
Robert, KD6INI

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403. [aprssig] Re: Xastir link on TAPR's site?

From: "Curt Mills, WE7U" <we7u@mail.com>
Date: Tue, 18 Sep 2001 14:51:24
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-36980-2001.09.18-15.15.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm confused as to why an http link can't be made to www.xastir.org
from that page. That is _the_ source for the latest source code
(which sometimes changes on a daily basis). I see no great advantage
in creating yet another site to download from. The only small
advantage would be if/when the main site were down, which doesn't
often happen. Even then people would only be able to get the last
released versions, which are never even close to the latest CVS version.

I'd rather see prospective new users pointed to the web site instead
of older releases. Then they could read about it and look at the
snapshots at least before downloading. They'd also be pointed to the
appropriate Xastir mailing lists in the same way.

Any comments?

Curt, WE7U
we7u@mail.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

404. [aprssig] APRS Working Group Adds Members

From: "John R. Ackermann" <jra@febo.com>
Date: Tue, 18 Sep 2001 19:09:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37004-2001.09.18-18.35.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The APRS Working Group is pleased to announce that Bill Diaz, KC9XG, and
Roger Barker, G4IDE, have joined the WG effective immediately.

Bill is the author of the A-Filter software and has been actively involved
in discussions around the APRS Internet specification. Roger is the author
of UI-view and brings a valuable international perspective to the WG.

We're excited to have them in the Working Group, and look forward to the
value they will add to the APRS standards process.

For the APRS Working Group,

John N8UR
Administrative Chair
jra@febo.com -- n8ur@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

405. [aprssig] Digital Communications Conference -- Final Update

From: "John R. Ackermann" <jra@febo.com>
Date: Tue, 18 Sep 2001 19:32:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37010-2001.09.18-18.56.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, the Digital Communications Conference is only a few days away. If
you can make your way to Cincinnati, Ohio this weekend (Sept. 21-22) we
invite you to attend the show -- registration is available at the door.
Full details, including the current schedule, are available at
http://www.tapr.org/dcc.

Here's a brief rundown; note that due to the tragic events of last week,
we've had to make some adjustments to the schedule.

Friday:

Registration Opens	9:00AM	
APRS Forum		1:00 - 6:00PM (The morning part of the Forum has been cancelled.)
PRUG Social		7:00PM (Come enjoy the hospitality and see the latest activities of the Packet Radio Users Group of Tokyo, Japan.)

Saturday:

Registration Opens	7:15AM	
Main Program	8:00AM - 5:00PM	(There will be a mix of introductory sessions on new aspects of digital communication, as well as more advanced topics. We think there'll be something for everyone.)
TAPR Membership Meeting	5:00PM	
Banquet		7:00PM (Anthony Curtis, K3RXK will speak on "40 Years of Amateur Radio in Space.")

NOTE: We've regretfully had to cancel the Sunday Seminar. If you
registered for it, please stop at the registration area or contact TAPR to
arrange a refund.

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406. [aprssig] Coordinates Conversion Page

From: "Bill Kearns" <billk@inland.net>
Date: Tue, 18 Sep 2001 17:09:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37062-2001.09.18-19.33.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

this may be of some use to some of you....
i found this while surfing...
http://www.fcc.gov/mmb/asd/bickel/DDDMMSS-decimal.html

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407. [aprssig] Re: One GPS, two serial ports?

From: "Craig Brunson" <Brunson1@gte.net>
Date: Wed, 19 Sep 2001 06:13:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37167-2001.09.19-08.35.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Correct, but only one is NEMA-

Craig
N7TSZ

----- Original Message -----
From: "Tony Annese" <kg4exa@hotmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, September 18, 2001 8:50 AM
Subject: [aprssig] Re: One GPS, two serial ports?

> The Garmin GPS35 has dual outputs also.
>
> Tony
> KG4EXA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

408. [aprssig] HELP

From: Gurdon Wolfe <kb4fea@earthlink.net>
Date: Wed, 19 Sep 2001 15:41:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37211-2001.09.19-15.07.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all, I need some help interfacing a Garmin GPS 3 plus with a KPC-3.
Anybody
know how it's done that can help?
Thanks.
73, Don
KB4FEA

 From the keyboard of Gurdon C. "Don" Wolfe, II
GySgt. U.S.M.C. Ret.
Official USMC website www.usmc.mil

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

409. [aprssig] Re: HELP

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 19 Sep 2001 16:47:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37220-2001.09.19-16.11.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

is the kpc a 3+ or plain vanilla 3?

If it's a kpc3(non-plus), you'll have to use the 25pin serial port. Wire
data out from GPS to db25 pin 2 and ground to db25 pin 7. Make sure the
abaud is set to 4800 8n1 and do a INT GPS command. If you're clever, you
can setup MYREMOTE and RTEXT to remotely admin the TNC and you'll never have
to disturb the serial port. If you can't access it remotely, you'll have to
rehook your PC to the serial port and type <cntrl c) many times very fast to
get the TNC back into "normal" node on the serial port.

If you have a kpc3+, you can use the radio port's db9 pin 2 for data from
GPS. Wire data out to db9 pin 2, ground to db9 pin 5 (book says pin 7, but
I have switched a jumper inside the kpc3 and use that pin to supply power to
the GPS!). Tell the kpc3 to use the radio port as the GPS data source:
GPSPORT 4800 NORMAL CHECKSUM .

In either case, you will still need to setup the GPSHEAD, BLT, and LTP
commands.

Please check http://www.dididahdahdidit.com/plustracker.php for more
information.

Wes

----- Original Message -----
From: Gurdon Wolfe <kb4fea@earthlink.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, September 19, 2001 18:41
Subject: [aprssig] HELP

> Hello all, I need some help interfacing a Garmin GPS 3 plus with a KPC-3.
> Anybody
> know how it's done that can help?
> Thanks.
> 73, Don
> KB4FEA
>
> --
> From the keyboard of Gurdon C. "Don" Wolfe, II
> GySgt. U.S.M.C. Ret.
> Official USMC website www.usmc.mil
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

410. [aprssig] Latest Version of MacAPRS; 3.5.2 ?

From: Matthew W Stennett <WA4TKG@mediaone.net>
Date: Wed, 19 Sep 2001 21:06:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37251-2001.09.19-20.31.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just wondering if I have the newest version of Mac APRS.

Anything else more recent ?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

411. [aprssig] hitting the road

From: Guy Story <kc5goi@tapr.org>
Date: Wed, 19 Sep 2001 21:05:13 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37256-2001.09.19-21.29.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well guys. I am going to be hitting the road at 21:30 central time. Be
looking for KC5GOI-9. I will have either APRS+ running or the d700. For
those going to the DCC, see you soon.

73,

Guy Story
KC5GOI
kc5goi@tapr.org
http://www.kc5goi.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

412. [aprssig] Re: HELP

From: Bill Herrmann <bherrman@micron.net>
Date: Wed, 19 Sep 2001 23:10:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37299-2001.09.20-01.02.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>If you can't access it remotely, you'll have to rehook your PC to the
>serial port and type <cntrl c) many times very fast to get the TNC back
>into "normal" node on the serial port.

I caught this and wanted to mention what I found out...
I, too, used to have a heck of a time getting back to "normal" mode till I
went back and reread that piece of the book.

Try hitting <ctrl-c> 3 times and then not hitting anything else for a few
seconds. The KPC TNC's are looking for no activity followed by <ctrl-c> 3
times in close succession, followed by no activity.

Bill
KD7MJC

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

413. [aprssig] Re: APRS DCC Initiative

From: Bill Herrmann <bherrman@micron.net>
Date: Wed, 19 Sep 2001 23:41:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37300-2001.09.20-01.03.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:45 PM 9/17/01 -0400, Bob Bruninga wrote:
>   * Some software does not init home TNCs to the universal RELAY

Personally, I don't want ANY software messing with my config. I've seen too
many instances (not necessarily in APRS) where incorrect assumptions about
configurations caused major problems. I've also seen at least one instance
where APRS software was sending the TNC init file over the air. It's ok
IMHO to offer an option to configure the TNC, but provide a way to turn it off!

I currently have my TNC set up so that with only two commands I can switch
between mobile use and QTH use. Having software plug in other settings
means I can't depend on that any longer.

In my case I do not have my station set up to digi for relay. If you are
near me and are running 1W or so into a decent antenna then a wide digi
that also does relay can hear you too. If I were to digi relay packets it
would simply waste bandwidth.

>   * Most software does not guide or warn users of poor practices

I can see benefits of that, but we also need to remember that some
practices are not universally poor. Think of the discussion on unproto
paths a month or so ago or the above example with relay.

Out here, where we have mountains a path of wide3-3 goes a long darn ways
and usually gets out, while a path of relay,wide3-3 might get out, and
certainly causes more traffic and more collisions. However, back in the
flatlands I can certainly see why wide3-3 isn't as effective. I recently
overheard a trucker passing through who was surprised by how wide the
coverage he was getting on a local voice repeater was. He was obviously not
used to a repeater that's 8000 feet up and has a clear shot to 150 miles
plus of freeway. (Yeah, one of the main digi's for the area is up there
too. <grin>)

Bill
KD7MJC

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

414. [aprssig] Findu.com Down?

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 20 Sep 2001 14:22:19 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37326-2001.09.20-10.01.31--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Is anyone having problems accessing findu.com today?

The problem here seems to be resolving the findu.com to an IP address.

Anyone know what the IP address for findu.com is?

de Ken, N5EQT
EM22

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

415. [aprssig] Re: Findu.com Down?

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Thu, 20 Sep 2001 10:55:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37329-2001.09.20-10.19.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Working fine for me.

http://64.34.101.121/cgi-bin/find.cgi?ai3l-8

Ken Patterson wrote:

> Is anyone having problems accessing findu.com today?
>
> The problem here seems to be resolving the findu.com to an IP address.
>
> Anyone know what the IP address for findu.com is?
>
> de Ken, N5EQT
> EM22
>
> ---
> You are currently subscribed to aprssig as: crahe@infi.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
[Attachment: crahe.vcf; text/x-vcard; 232 bytes]

416. [aprssig] Re: Findu.com Down?

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 20 Sep 2001 14:59:40 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37332-2001.09.20-10.24.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks everyone for the IP.

I have tried to access www.findu.com today via 2 ISPs here. Both could not
resolve www.findu.com to an IP address.

Thanks for the IP address. Using the IP address, it is working just fine
here.

de Ken, N5EQT
EM22

----- Original Message -----
From: Michael Martens <kb9vbr@yahoo.com>
To: Ken Patterson <kenp>
Sent: Thursday, September 20, 2001 15:42
Subject: Re: [aprssig] Findu.com Down?

>
> Ken,
>
> Its working for me up here in Wisconsin. I checked the
> whois listing for findu.com and came up with the

> following IP address:
>
> 64.34.101.121
>
> I hope this helps you out.
>
> Michael
> KB9VBR
>
>
> --- Ken Patterson <kenp@etex.net> wrote:
> > Is anyone having problems accessing findu.com today?
> >
> > The problem here seems to be resolving the findu.com
> > to an IP address.
> >
> > Anyone know what the IP address for findu.com is?
> >
> > de Ken, N5EQT
> > EM22
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as:
> > kb9vbr@yahoo.com
> > To unsubscribe send a blank email to
> > leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG
> > administrator: wa1lou@tapr.org
> >
>
>
> _____
> Terrorist Attacks on U.S. - How can you help?
> Donate cash, emergency relief information
> http://dailynews.yahoo.com/fc/US/Emergency_Information/
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

417. [aprssig] Re: Latest Version of MacAPRS; 3.5.2 ?

From: Marinus van Opzeeland <marinus@mac.com>
Date: Thu, 20 Sep 2001 20:52:30 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37360-2001.09.20-14.19.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thursday, September 20, 2001, at 03:06 , Matthew W Stennett wrote:

> Just wondering if I have the newest version of Mac APRS.
>
> Anything else more recent ?

3.5.2 does indeed seem to be the newest version; the Sprouls seem to be
running it as well, so I guess that means we should not expect anything
new soon.

Marinus van Opzeeland, PE1LIF | marinus@mac.com

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418. [aprssig] KISS mode

From: Ken Cechura <kcechura@umr.edu>
Date: Thu, 20 Sep 2001 14:03:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37362-2001.09.20-14.31.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ok, i know the basic principle behind KISS- make the computer do the work
so the TNC doesnt have to, does anyone know of a good place where i can
start learning about the logic and conversions and such behind all this?

      //
     //   Kenneth R. Cechura, KC9UMR   //
    //   kcechura@umr.edu   //
   //   Station Manager, W0EEE   //
  // University of Missouri-Rolla Amateur Radio Club //
//

419. [aprssig] Re: KISS mode

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 20 Sep 2001 14:11:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37363-2001.09.20-14.38.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ken,

> does anyone know of a good place where i can start learning
> about the logic and conversions and such behind all this?

Try this link below :

  http://people.qualcomm.com/karn/papers/kiss.html

It's a paper by Mike Chepponis, K3MC and Phil Karn, KA9Q, presented
at the ARRL 6th Computer Networking Conference, Redondo Beach CA, 1987.
Translated to HTML by KA9Q, January 1997.

73 Maiko / VE4KLM

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420. [aprssig] PCsat News COnference

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 20 Sep 2001 15:48:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-37371-2001.09.20-15.13.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 1700 EDT today on NASA Select, there will be a Kodiak Star news
conference. The Naval Academy personnel on site (2 Students and one Air
Force Officer) are not hams, so they may not have our (HAM)
perspective, but will cover the bases.....

WX is not looking promising for a 0100z 22 Sept launch, (Tomorrow nite)
but there is still a significant chance of launching on that schedule.

I just got a phone call from the top of the launcher and the last Battery
charge went well. We are go...

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

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421. [aprssig] New APRS Symbol ???

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Thu, 20 Sep 2001 16:12:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-37377-2001.09.20-15.35.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a way to add an American Flag Symbol to APRS?? Wouldn't it be cool
to see 2000+ flags on the map for just one day to symbolise our strength in
times like this??

OK DCC Now make it happen, and lets pick a day..

Lee/KD4TQZ

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422. [aprssig] Kodiak Star News Conference

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 20 Sep 2001 17:32:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37393-2001.09.20-16.57.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THey delayed the news conference on NASA Select TV to 1730 EDT.
It has just begun...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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423. [aprssig] Re: [Maiko Langelaar] Re: KISS mode

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 20 Sep 2001 16:38:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37396-2001.09.20-17.03.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Hi Ken,
>
>> does anyone know of a good place where i can start learning
>> about the logic and conversions and such behind all this?
>
>Try this link below :
>
> http://people.qualcomm.com/karn/papers/kiss.html
>
>It's a paper by Mike Chepponis, K3MC and Phil Karn, KA9Q, presented
>at the ARRL 6th Computer Networking Conference, Redondo Beach CA, 1987.
>Translated to HTML by KA9Q, January 1997.

And remember that the KISS described there is from a MODEM point of view not a
TNC in kiss mode point of view. The TNC, when in KISS mode, does all the
AX.25 work for you to generate the checksum (except in Europe where they think
that it is important for the serial link between the computer and the TNC to
be validated, and they generate a CRC in the computer that the TNC validates).

So, from a computer to a TNC in KISS mode, you just send the packet data
described in that document.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

424. [aprssig] Re: [Maiko Langelaar] Re: KISS mode

From: Jeff King <jeff@aerodata.net>
Date: Thu, 20 Sep 2001 17:42:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37397-2001.09.20-17.08.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Gregg G. Wonderly" wrote:

> The TNC, when in KISS mode, does all the
> AX.25 work for you to generate the checksum (except in Europe where they think
> that it is important for the serial link between the computer and the TNC to
> be validated, and they generate a CRC in the computer that the TNC validates).

Hmmm... I think that just validates the serial frame, although there are so
many varients of this. We used the checksum version (I think the BPQ one) on
our NOS switch which feed a TNC located 300 feet away. There is also SMACK
and SIXPACK, also KISS varients.

73

Jeff

|--|
| Jeff King   248-471-1787 F 248-471-0279 e-mail: jeff@aerodata.net |
| |
| "They that give up essential liberty to obtain a little temporary safety|
deserve neither liberty nor safety." -- Benjamin Franklin, 1759

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

425. [aprssig] Re: Kodiak Star News Conference

From: "Roger Bille" <roger.bille@telia.com>
Date: Fri, 21 Sep 2001 00:14:38 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37401-2001.09.20-17.39.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just looked at the conference over web-tv. Pitty with only 10% possibility
to launch tomorrow due to weather. However improving during the weekend, 40%
Saturday and 60% possibility on Sunday.

 I wish you all luck

 73 de sm5nrk/Roger

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 20, 2001 11:32 PM
Subject: [aprssig] Kodiak Star News Conference

> THey delayed the news conference on NASA Select TV to 1730 EDT.
> It has just begun...
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
> ---
> You are currently subscribed to aprssig as: roger.bille@telia.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

426. [aprssig] Re: [amsat-bb] PCsat Launch go 0100z 22 Sept

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 20 Sep 2001 16:16:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, amsat-bb@AMSAT.Org
Message-ID: <LYR842-37402-2001.09.20-17.41.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the heads up Bob,

Just watched the news brief via NASA TV's web cast.

Good luck!!

Bob Bruninga wrote:
>
> The Launch of Kodiak Star with PCsat, Starshine, and Sapphire Amateur
> Satellites is still go for 0100z on 22 Sept (2100 EDT on the 21st).
> Launch will be carried on NASA Select TV.

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               +++++++++++++++++++++++++++++++++++++++++++++++
```
"I fear all we have done is to awaken a sleeping giant and fill him with a terrible resolve."
         - Admiral Yamamot

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

427. [aprssig] Kodiak Star Launch probabilities

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 20 Sep 2001 18:16:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37403-2001.09.20-17.41.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

News Conference at 2130z 20 Sept yields poor weather in Kodiak.

Launch window runs from 0100z to 0300z daily:
22 Sept Launch has 90% chance of cancellation due to WX
23 Sept Launch has 60% chance of cancellation due to WX
24 Sept Launch has 40% chance of cancellation due to WX

NASA TV Launch coverage for the 22 Sept (UTC) attempt begins 1.5 hours
before launch at 2330z tomorrow 21 Sept. THats 1930 EDT on the 21st
(Friday night).

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

428. [aprssig] Re: Findu.com Down?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Thu, 20 Sep 2001 18:58:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37410-2001.09.20-18.24.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try this:
http://1075996025/

Ev, W2EV
PS...yeah, I know...what a geek. :o)

> Ken Patterson wrote:
>
> > Is anyone having problems accessing findu.com today?
> >
> > The problem here seems to be resolving the findu.com to an IP address.
> >
> > Anyone know what the IP address for findu.com is?
> >
> > de Ken, N5EQT
> > EM22
> >
> > ---
> > You are currently subscribed to aprssig as: crahe@infi.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

429. [aprssig] KDK FM-2033

From: Robert Radmore <rradmore@wzrd.com>
Date: Thu, 20 Sep 2001 20:36:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37447-2001.09.20-20.00.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wonder if anyone can give me the pinout for the KDK FM-2033 two meter
transceiver. It's a 5 pin connector. I believe 6 is ground, 4 is PTT, and 3
may be mic. If so what are the others.

Thanks for any help.

Bob N2PWP

Bob Radmore N2PWP
rradmore@wzrd.com

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430. [aprssig] antenna info?

From: Kevin Deckert <kdeckert@wellsgray.net>
Date: Thu, 20 Sep 2001 21:26:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37475-2001.09.20-23.52.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i am looking for info on making antennas from a tape measure..vhf and
uhf..any one know where I could such??
ve7whk

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

431. [aprssig] Re: antenna info?

From: Roger Grady <k9opo@comteck.com>
Date: Thu, 20 Sep 2001 23:35:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37482-2001.09.21-00.01.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:26 PM 9/20/01 -0700, Kevin Deckert wrote:
>i am looking for info on making antennas from a tape measure..vhf and
>uhf..any one know where I could such??

>ve7whk

Here's one on building a DF antenna for 2m. It's optimized for max. F/B
ratio rather than gain.

http://home.att.net/~jleggio/projects/rdf/tape_bm.htm

Roger Grady K9OPO

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432. [aprssig] Re: antenna info?

From: Alex <kr1st@amsat.org>
Date: Fri, 21 Sep 2001 07:51:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37514-2001.09.21-07.09.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The PCsat uses tape measure antenna's see:

http://www.ew.usna.edu/~bruninga/pcsat.html

It doesn't contain building info, but it does have pictures of a very
interesting application of these type of antennas.

73,
--Alex

Kevin Deckert wrote:
>
> i am looking for info on making antennas from a tape measure..vhf and
> uhf..any one know where I could such??
> ve7whk

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433. [aprssig] Antenna info

From: Art N Jury <gdbear1@juno.com>
Date: Fri, 21 Sep 2001 09:31:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37557-2001.09.21-11.47.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try here   http://home.att.net/~jleggio/projects/rdf/rdf.htm

Also 73 magazine ran an artical on a 4 ele 2mtr beam a few years ago.

Good luck, the 3ele beam works great and is very tough, Craftsman tape
measures seemed to be best 2 years ago.

cul   Art.

_____
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434. [aprssig] Kodiak Star and APRStk

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 13:03:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37569-2001.09.21-12.27.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Launch at 0100z 22 Sept is scrubbed due to Weather. Next try will be
the same time on 23rd (60% chance). If that is no good, then it may slip
to 26th (UTC) after the weather passes through.

ALso, I finally had time to update APRStk with the equations for PCsat
telemetry. This program is just a special .exe version of APRSdos that
adds all the satellites to the normal APRS tracking pages:

 * Shows locations of all amateur satellites
 * Displays a "next-2-hour" graphic of satellites expected in view
 * Auto tunes the Kenwood D7 and D700 to any satellite in view
 * Auto tunes to track doppler, and switches between 1200/9600 bd
 * Can drive the $64 Radio shack Rotator to auto track all satelites
 * And of course, plots everyone heard via the satellite on the map
   and most other APRS functions.

In otherwords, APRStk can be a fully automated (but low-tech) satellite
station for all the Low Earth Orbiting satellites using any old 386 or
better PC and a cheap rotator with a small VHF and UHF beam. Sorry, it is
low tech by Bill Gates standards, but it can be useful.

APRStk.exe must run in an existing APRSdos directory.

PKUNZIP -DN ASTK-EXE.ZIP if you already have a fully installed APRSdos
PKUNZIP -DN APRSTK.ZIP   for a clean start

Be sure to read the README\APRSTK.TXT

ftp://tapr.org/aprssig/dosstuff/APRSdos/astk-exe.zip
ftp://tapr.org/aprssig/dosstuff/APRSdos/aprstk.zip

de WB4APR, Bob

A Screen shot of APRStk: http://www.ew.usna.edu/~bruninga/aprstk0.gif

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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435. [aprssig] Virus

From: "Bob - K8YS" <k8ys@cinci.rr.com>
Date: Fri, 21 Sep 2001 13:09:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37570-2001.09.21-12.34.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

greeting all,

with this current wave of virus', I send ALL emails that contain an
attachment directly to the deleted files folder, I do not see these files so
I cannot open these files.

If anyone has a file they need to send to me, please email me first and I
will give you an address when I accept screened attachments.

73,
Bob

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436. [aprssig] Re: Difference APRStk and AprsDATA

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 14:39:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-37606-2001.09.21-14.04.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Sep 2001, Mike James Wolthuis wrote:

> I saw your message about APRStk being updated. I thought all the satellite
> functionality of APRStk had been moved to AprsDATA??
>
> Can you explain the difference and why someone would use AprsDATA or APRStk
> for which situations.

Sure. APRSdata is only for special stations, one per region, to serve out
satellite tracking data on 144.39 to the tiny web-pages in Kenwood radios.
and to contain data bases of local stuff that can be Queried by mobiles in
the area. Such as QUERY HOSP for the closest hospital etc...

APRStk is for actual satellite operations.. It adds three things to
APRSdos:

1) Satellite tracking
2) Kenwood radio control so that the radio is automatically tuned to any
   of the satellites when they come into view.
3) Radio shack (or any 24v AC rotator) control via 2 bits on LPT1 port.
4) and other handy nickle and dime features.

The BEST use of APRStk is just letting it sit there, plugged into your
THD7 when it is not otherwise in use. If connected to a good dual band
antenna with a shore lenght of coax, it will autotune and you will hear
or capture data from, any satellite that comes in to view whether you are
there or not...

de WB4APR, Bob

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437. [aprssig] Amateur Radio at WTC relief effort

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Fri, 21 Sep 2001 14:44:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37607-2001.09.21-14.09.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Slightly mis quoted and edited to a point of unrecognizable info, but good
PR non the less. We are using APRS, mostly mobiles traveling to the area and
some local traffic between shelter operators. I believe the local IGate
KC2ENI is still operating. Volunteer operators that can bring APRS should be
able find digis and others to communicate with.

http://www.dailygazette.com/local.shtml#storyA44D0001

--
Dennis, N2LBT
Sysop aprsdALY IGate
http://www.n2lbt.com
n2lbt@n2lbt.com

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438. [aprssig] APRS RX

From: Ken Cechura <kcechura@umr.edu>
Date: Fri, 21 Sep 2001 13:45:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37610-2001.09.21-14.13.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

is there any reason that this wouldn't work (with winAPRS, or pocket APRS,
for example)

http://www.umr.edu/~kcechura/pktrxonly.bmp

as you might be able to tell, im trying to reverse engineer the peekpack a
bit.....

      //
     //   Kenneth R. Cechura, KC9UMR   //
    //   kcechura@umr.edu   //
   //   Station Manager, W0EEE   //
  // University of Missouri-Rolla Amateur Radio Club //
//

439. [aprssig] Re: Difference APRStk and AprsDATA

From: RMckni8527@aol.com
Date: Fri, 21 Sep 2001 14:52:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37611-2001.09.21-14.17.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/21/01 11:41:52 AM Pacific Daylight Time,
bruninga@usna.edu writes:

> 2) Kenwood radio control so that the radio is automatically tuned to any
>   of the satellites when they come into view.

Bob, any chance of adding support for the Yaesu FT-736R? I would volunteer
for beta testing. I've looked at the common solution which is the Yaesu
G-5500 rotor, the data interface for the rotor and Kansas City Tracker, which
adds up to well over $1500. That's a lot of $$$ to dump into a mode you
might have 3-4 passes of 20 minutes a day!

73's
Ray - WB3ABN
Kingston, WA

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440. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Fri, 21 Sep 2001 12:03:45 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37616-2001.09.21-14.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good work Dennis.   Let us know if there's anything
we can do to support you and the folks there.

Bill

> We are using APRS, mostly mobiles traveling to
> the area and
> some local traffic between shelter operators. I believe the local
> IGate
> KC2ENI is still operating. Volunteer operators that can bring
> APRS should be able find digis and others to communicate with.

> Dennis, N2LBT
> Sysop aprsdALY IGate
> http://www.n2lbt.com
> n2lbt@n2lbt.com

_____
Terrorist Attacks on U.S. - How can you help?
Donate cash, emergency relief information
http://dailynews.yahoo.com/fc/US/Emergency_Information/

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441. [aprssig] Re: Re: Difference APRStk and AprsDATA

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 15:37:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37628-2001.09.21-15.01.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Sep 2001 RMckni8527@aol.com wrote:

> > 2) Kenwood radio control so that the radio is automatically tuned to any
> >   of the satellites when they come into view.
>
> Bob, any chance of adding support for the Yaesu FT-736R?

Not really. APRStk was written to take advantage of the fully integrated
all-in-one Kenwood APRS/TNC/RADIOs (the D7 and D700). On the single 3
wire serial port, you get 7 things:

1) 1200 baud packet data
2) 9600 baud packet data
3) 1200 baud TNC control
4) 9600 baud TNC control
5) UHF radio control
6) VHF radio control
7) GPS data

Thus I could do everything with just 2 wires and ground and no additional
hardware or interfaces. When I decided to add Radio shack rotator
control, I did break down and use two wires to the Parallel LPT1 port.

> I would volunteer
> for beta testing. I've looked at the common solution which is the Yaesu
> G-5500 rotor, the data interface for the rotor and Kansas City Tracker, which
> adds up to well over $1500. That's a lot of $$$ to dump into a mode you
> might have 3-4 passes of 20 minutes a day!

Yes, for those systems and other SERIOUS satellite operations, the AMSAT
WISP program that runs under windows is the mainstay of most operators...
but unfortunately, I dont think anyone has written a D7 and or D700 driver
for it yet?

bob, WB4APR

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442. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Fri, 21 Sep 2001 16:35:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37641-2001.09.21-16.01.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS at shelters huh? Not that I know about. I'm KC2ENI the net controller
for the "event". We haven't sanctioned the use of data in this operation.

Many of the sites we are involved in are secure area's whose locations are
to remain anonymous. APRS would betray that anonymity. I'm not saying that
I'm against it; its just that I'd rather operators put their energies to the
task at hand.

My Igate did go down as a result of a line failure but was returned to
service after a judicial helping of the /JFDI switch at MCI's offices.

Mark Phillips G7LTT/KC2ENI
New York, NY 11103

----- Original Message -----
From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, September 21, 2001 2:44 PM
Subject: [aprssig] Amateur Radio at WTC relief effort

> Slightly mis quoted and edited to a point of unrecognizable info, but good
> PR non the less. We are using APRS, mostly mobiles traveling to the area
and

> some local traffic between shelter operators. I believe the local IGate
> KC2ENI is still operating. Volunteer operators that can bring APRS should
be
> able find digis and others to communicate with.
>
>
> http://www.dailygazette.com/local.shtml#storyA44D0001
>
>
>
> --
> Dennis, N2LBT
> Sysop aprsdALY IGate
> http://www.n2lbt.com
> n2lbt@n2lbt.com
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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443. [aprssig] APRS icons (IGATES & DIGIS)

From: "Sergio Matias" <ct2hmn@clix.pt>
Date: Fri, 21 Sep 2001 14:21:56 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37644-2001.09.21-16.07.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all.
I've got a couple of questions that I would like to be answered.
First, what is the correct icon for an IGATE station? I think is an
overlayed 'I' on a diamond but most of them are using the TCP/IP icon.
Second, I would like to know what are the overlay letters for different
types of digipeaters.

73's..

Sergio Matias - CT2HMN
mailto:ct2hmn@clix.pt

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444. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Fri, 21 Sep 2001 16:24:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37653-2001.09.21-16.48.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>APRS at shelters huh? Not that I know about. I'm KC2ENI the net controller
>for the "event". We haven't sanctioned the use of data in this operation.
>
>Many of the sites we are involved in are secure area's whose locations are
>to remain anonymous. APRS would betray that anonymity.

Position information is such a minimal part of what APRS provides... It's a
tactical platform, not a report your position protocol!

-----
gregg@c2-tech.com (C2 Technologies Inc)

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445. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 17:47:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37655-2001.09.21-17.12.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Sep 2001, Mark Phillips wrote:

> APRS at shelters huh? Not that I know about. I'm KC2ENI the net controller
> <snip>
> Many of the sites we are involved in are secure area's whose locations are
> to remain anonymous. APRS would betray that anonymity.

Well, just to clarify that. APRS has position ambiguity built in. You
can put any station on a map with an ambiguity of these levels:

  0.1 mile
  1   mile
 10   miles
 60   miles

When a position is entered with ambiguity, the ICON is displayed at all
zoom scales where the ICON itself is larger than the area of ambiguity.
Once you zoom below that level, the Icon disappears and is replaced with
an ambiguity circle with the radius of the ambiguity.

Thus you can show about where you are, without having to have all the
digits of precision...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

446. [aprssig] Re: APRS icons (IGATES & DIGIS)

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 17:51:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37657-2001.09.21-17.15.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Sep 2001, Sergio Matias wrote:

> Hi all.
> I've got a couple of questions that I would like to be answered.
> First, what is the correct icon for an IGATE station? I think is an
> overlayed 'I' on a diamond but most of them are using the TCP/IP icon.
> Second, I would like to know what are the overlay letters for different
> types of digipeaters.

The DIAMOND is the icon for a GATE. From the beginning I wanted IGates to
have an I on the GATE ICON. But some how everyone started using the TCPIP
ICON. This is not correct.

The TCPIP ICON was invented to be used by those stations that are running
TCPIP on AX.25 over the air. There are lots of such networks, but their
ICON was "stolen"... <grin>

Bob

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447. [aprssig] APRS851.zip

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 17:54:06 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37658-2001.09.21-17.18.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just released APRS851.zip, the first upgrade to APRSdos in over a year.
Not much new except:

* Added PCsat Telemetry. Use the LIST-PCSAT command.
* GPS and WX operations are now free. No optional V# required.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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448. [aprssig] Radio Direction Finding using PIC

From: "andrew" <andrew.rich@bigpond.com>
Date: Sat, 22 Sep 2001 08:07:31 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37659-2001.09.21-17.25.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

I am toying with the idea of using a PIC chip to talk to the TH-D7A(G) to
ask signal strength, and also using a directional beam with a pot attached
for direction of point. What I would like to do is to be able to sweep 360
degrees and get a plot / get the pic to tell me the rough direction of
maximum signal strength.

Some questions still outstanding:-

What bearinigs to use, maybe car wheel bearings, to mount the beam on to
spin 360 degrees.
What is the best 2M beam design , maybe some RDF pages would help here.

Thinking out loud.

I have always wanted to build a SMART tracking array that would use TOA
(Time of arrival) to drive itself towards the best signal strength)

Andrew Rich VK4TEC

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449. [aprssig] Re: Invitation to Group APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 19:50:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-37667-2001.09.21-19.15.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why another APRS group?
Is this a scam?

On Fri, 21 Sep 2001, Groups@AOL wrote:

> I'd like you to join an online Group called, "APRS."
> Click http://groups.aol.com/doswndws?__Action=V4Acception&__
> Compset=GM&brand=AOL&enc=KH56Bd0QAPwVBdHnHlwZDlLNmg91rDThF0Y7RA
> pJ98kkujne96SDsUMuYOVaanDfecBGbXCERROc%0AB0Vmo16qOvbOxgZlqdnX to join now!

> Here's what this Group is about:Automatic Position Reporting System
>
> I also want to tell you the following: Will the fathers of APRS please
> come forward?
>
> When you join, you will be able to participate in
> Group conversations from your mailbox or through
> a message area on the Group's Web page.
>
> You can wait up to 60 days to join. After that,
> you will not be able to join the Group without
> receiving another invitation. If you do not want
> join, simply ignore this e-mail.
> When you join, you will need to agree to some basic
> guidelines that help make sure the Group is a good
> experience for everyone.
>
> After you join the Group, send customized invitations
> to your friends by clicking Invite a Friend on our
> Group's main page.
>
> I hope to see you soon!
>
>
>
>
>
> See more messages and photos for this Group at http://groups.aol.com/doswndws
> Too much Group e-mail? Find out how to stop it here: http://aolsvc.aol.com/groups/groups_preview.adp
>
> DO MORE WITH YOUR GROUPS
> - Find new Groups to join: http://groups.aol.com/_browse?catid=1
> - Change E-mail Settings: http://aolsvc.aol.com/groups/groups_preview.adp
> - Avoid E-mail Scams: http://aolsvc.aol.com/groups/groups_safety.adp
>
> GET MORE FEATURES WITH AOL!
> Start your own Groups, enter Group chats and meet more members of AOL's community. Get 1000
> free hours for 45 days here:
> http://free.aol.com/tryaolfree/index.adp?124641&sid=i50
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

450. [aprssig] APRS RX

From: Ken Cechura <kcechura@umr.edu>
Date: Fri, 21 Sep 2001 18:48:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37668-2001.09.21-19.16.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ok, since i got no response the other way, let me try it this way

Could I:
Take the Rx output from the radio, run it into a MX614
Take the output from the 614 and run it straight into the serial port on a
computer running winAPRS
and watch APRS with Rx ONLY?

Im guessing on the peekpack unit, the PIC is only acting as an LCD driver.....

      //
     //   Kenneth R. Cechura, KC9UMR   //
    //   kcechura@umr.edu   //
   //   Station Manager, W0EEE   //

```
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

451. [aprssig] PCSat Ground Station Antenna Photos

From: "andrew" <andrew.rich@bigpond.com>
Date: Sat, 22 Sep 2001 10:00:49 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37669-2001.09.21-19.19.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have built a Quadriffilar Helix for 145.825 MHz for PCsat

You can see the shots of the completed antenna here:-

http://www.users.bigpond.com/andrew.rich/index.htm

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452. [aprssig] thd7ag PG-4W can someone verify the setup?

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Fri, 21 Sep 2001 20:03:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37670-2001.09.21-19.28.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thd7ag owners:

I having a problem with my home made pg-4w cable. i built it exactly as
described on page 53 of the owners manual as follows:

pin #5 (on the DB-9 connector) GND
pin #3 TXD
pin #2 RXD

the stereo plug tip is TXD,middle is RXD and base is GND.

it does not work with the Kenwood software or any software for that matter.
I heard that the info on page 53 is bunk and that i should switch pins 3 and
2.

Can someone with a working cable verify the connections with a continuity
test? Thanks a bunch.

ps. they charge 105$ CDN for the cable up here.... go figure.

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

453. [aprssig] Re: APRS RX

From: Steve Bragg <steve.bragg@itelemetry.net>
Date: Fri, 21 Sep 2001 19:07:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37673-2001.09.21-19.32.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken Cechura wrote:

> ok, since i got no response the other way, let me try it this way
>
> Could I:
> Take the Rx output from the radio, run it into a MX614
> Take the output from the 614 and run it straight into the serial port
> on a computer running winAPRS
> and watch APRS with Rx ONLY?
>
> Im guessing on the peekpack unit, the PIC is only acting as an LCD
> driver.....

This is not true. In PeekPack, the PIC is acting as demodulator (the
DEM side of MODEM), decoder (interpreting the NRZI encoding and HDLC
framing bit-stuffing), and packet un-packer.

There is a lot more to AX.25 receive than taking the output of a modem
into a serial port. AX.25 is a SYNCHRONOUS protocol, as opposed to the
ASYNCHRONOUS protocol of the PC serial port. It's not a trivial
undertaking; I'm in the middle of it right now with my HamHUD II+
project.

There is some PIC code floating around in the TAPR archives to take the
output of an MX614 and convert it to async serial.

> Take the output from the 614 and run it straight into the serial port
> on a computer running winAPRS
> and watch APRS with Rx ONLY?

What are you really trying to get at? Eliminating the TNC? If you want
to do that, just run AGWPE and use the sound card as a TNC.

73,

Steve Bragg KA9MVA

--- __ __ ___   ____ __ ____   _____
   / //_// | / __ \/ |/ / | / / |
  / ,< / /| |/ /_/ / /|_/ /| | / / /| |
 / /| |/ ___ |__, / / / / | |/ / ___ |
/_/ |_/_/ |_/____/_/ /_/ |___/_/ |_|
==
Steve Bragg KA9MVA   steve@hamhud.net
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Find my HamHUD with findu!
http://www.findu.com/cgi-bin/find.cgi?call=ka9mva-3&radar=***

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454. [aprssig] Re: Invitation to Group APRS

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 21 Sep 2001 21:16:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-37703-2001.09.21-21.39.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> > You can wait up to 60 days to join. After that,
> > you will not be able to join the Group without
> > receiving another invitation. If you do not want
> > join, simply ignore this e-mail.

Sounds to me like it will be widely ignored.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

455. [aprssig] DCC

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 21 Sep 2001 21:17:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37705-2001.09.21-21.41.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I got hit by a "ripple", and I won't be at DCC.
Would have liked to go, but it's not gonna happen.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

456. [aprssig] slightly off topic.. Tower Site

From: "Glen Briggs (KB0RPJ)" <wx@grundyec.net>
Date: Fri, 21 Sep 2001 21:29:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37706-2001.09.21-21.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I one time ran across a website that could search for tower locations by
City and/or County or ZIP.. does anyone know what site, or can think of
similar sites.
Thanks,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
KB0RPJ

There are two things that make people all over the world happy.. if you
find them, please let me know

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457. [aprssig] Re: thd7ag PG-4W can someone verify the setup?

From: Robbie Robertson <mwrobertson@home.com>
Date: Fri, 21 Sep 2001 22:00:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37708-2001.09.21-22.25.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Al,

I just checked my "homebrew" cable and this is how I wrung it
out..

This is for the PC connection and a female DB-9
DB9 pin #3 to tip
 "   " #2 to ring
 "   " #5 to sleeve

This is for the GPS male DB-9 connector..

DB9 pin #2 to tip
 "   " #3 to ring
 "   " #5 to sleeve

Might ask if you tried to use a simple communication program to
converse with the THD7 and using 9600,N,8,1 XON/XOFF =
software   I use HyperTerm in Direct mode.

TIP - Set the program (HyperTerm) up after connecting computer to
the THD7 while it is turned off, then turn the HT on and select
TNC/PCKT. If you have it wired correctly, you will see the TNC
log on with it's commercial, :-) At this time, you can turn off
the HT, close HyperTerm, and run the Kenwood program without any

trouble..

If you don't get the TNC log on, then you still have a problem
with the cable. You should not connect and unconnect the cable
with the HT on!

Good luck es 73

Robbie

Al Arnold wrote:
>
> Thd7ag owners:
>
> I having a problem with my home made pg-4w cable. i built it exactly as
> described on page 53 of the owners manual as follows:
>
> pin #5 (on the DB-9 connector) GND
> pin #3 TXD
> pin #2 RXD
>
> the stereo plug tip is TXD,middle is RXD and base is GND.
>
> it does not work with the Kenwood software or any software for that matter.
> I heard that the info on page 53 is bunk and that i should switch pins 3 and
> 2.
>
> Can someone with a working cable verify the connections with a continuity
> test? Thanks a bunch.
>
> ps. they charge 105$ CDN for the cable up here.... go figure.
>
> _____
> Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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458. [aprssig] Re: Invitation to Group APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 21 Sep 2001 23:03:33 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-37709-2001.09.21-22.28.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I must appologize to The W4VIW and for my knee jerk reaction to his well
meaning invitation to join an AOL APRS chat group..

But I hope you might understand that I completely misstook the email as
SPAM for the following reasons:

1) It was not from a person, but from a "group on AOL"
2) It was not signed by anyone, and was impersonnal
3) It read like a form letter with some blanks filled in
4) it invited me to join "for a limited time only"
5) After that I could not join
6) Once I joined I could invite others to join.
7) It asked me to blindly click on a link to initiate a process

Thus, It sounded just like a pyramid scheme or a virus or Fred McMann
sending letters saying I "have won a million dollars..."

So I appologize for jumping on this well meaning intention, but in today's
email with a dozen SPAMS a day, it is so easy to throw out the wheat with
the chaff...

de WB4APR, Bob

On Fri, 21 Sep 2001, Bob Bruninga wrote:

> Why another APRS group?
> Is this a scam?
>
> On Fri, 21 Sep 2001, Groups@AOL wrote:
>
> > I'd like you to join an online Group called, "APRS."
> > Click http://groups.aol.com/doswndws?__Action=V4Acception&__
> > Compset=GM&brand=AOL&enc=KH56Bd0QAPwVBdHnHlwZDlLNmg91rDThF0Y7RA
> > pJ98kkujne96SDsUMuYOVaanDfecBGbXCERROc%0AB0Vmo16qOvbOxgZlqdnX to join now!
> >
> > Here's what this Group is about:Automatic Position Reporting System
> >
> > I also want to tell you the following: Will the fathers of APRS please
> > come forward?
> >
> > When you join, you will be able to participate in
> > Group conversations from your mailbox or through
> > a message area on the Group's Web page.
> >
> > You can wait up to 60 days to join. After that,
> > you will not be able to join the Group without
> > receiving another invitation...
> >
> > After you join the Group, send customized invitations
> > to your friends by clicking Invite a Friend on our
> > Group's main page.
> >
> > I hope to see you soon!
> >
> > See more messages and photos for this Group at http://groups.aol.com/...
> > Too much Group e-mail? Find out how to stop it here: http://aolsvc...
> >
> > DO MORE WITH YOUR GROUPS
> > - Find new Groups to join: http://groups.aol.com/_browse?catid=1
> > - Change E-mail Settings: http://aolsvc.aol.com/groups/groups_preview.adp
> > - Avoid E-mail Scams: http://aolsvc.aol.com/groups/groups_safety.adp
> >
> > GET MORE FEATURES WITH AOL!
> > Start your own Groups, enter Group chats and meet more members..
> > Get 100 free hours for 45 days here:
> > http://free.aol.com/tryaolfree/index.adp?124641&sid=i50

etc...

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459. [aprssig] Re: slightly off topic.. Tower Site

From: "lloyd mitchell" <lloydm75@hotmail.com>
Date: Sat, 22 Sep 2001 00:25:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37722-2001.09.21-23.50.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here ya go. http://www.berkana.com/tower.php3

Lloyd KD4HTW

----Original Message Follows----
From: "Glen Briggs (KB0RPJ

I one time ran across a website that could search for tower locations by
City and/or County or ZIP.. does anyone know what site, or can think of
similar sites.

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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460. [aprssig] : Check for W32.Nimda.A@mm

From: N9JCA--Chris <n9jca@sigecom.net>
Date: Sat, 22 Sep 2001 00:27:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37739-2001.09.22-00.51.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From: N9JCA--Chris <n9jca@sigecom.net>

this is "Off Topic" but I thought it might be some help to others.

Protect Your System from Nimda Virus Infection

A new worm virus, W32.Nimda.A@mm, also known as Nimda, is
spreading rapidly via e-mail. It infects PCs running Microsoft
Internet Explorer 5.01 and 5.5, and servers running Microsoft
IIS 4.0 and 5.0. Opening an e-mail with a hidden attachment can
cause infection, and has the potential to cause problems with
files stored on the hard drive. Infected systems can open
additional security holes, slow down networks, and cause
bandwidth problems as the virus tries to spread itself.

First of all you will have to install Catch Up--You will find it on C-Net
Home Page under Downloads www.cnet.com just follow the directions to
Install Catch Up

Run Catch Up Security Fixes now:
http://two.digital.cnet.com/cgi-bin2/flo?y=eCA107ThU0Eq0dHu0Al

Catch Up Security Fixes can determine if you're vulnerable to
Nimda. It will take about 5 minutes(well worth the time if you are worried
about having the virus) to scan your computer,depending on how much you
have Installed on it

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461. [aprssig] Re: : Check for W32.Nimda.A@mm

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 22 Sep 2001 00:01:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37742-2001.09.22-01.25.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OR
Upgrade to IE 6.x
OR
Ensure your client software is uptoday (Start > Windows Updates >
Critical Updates)
OR
Update your antivirus software (you're doing that at least weekkly
already, right?)
OR
Ensure your server is upto date on the latest patches and fixes
OR
Filter any and all HTML email at your mail server
OR
Dump MS for something else (OK, tad extreme as well as not a complete
solution)
OR
Do all that and more. Defense in depth/layers

Point is - as well meaning as something like this is, and even helpful
to those that don't want to spend a lot of time at it, simply following
good 'standards of practice' will do at least as much.

www.securityfocus.com

www.antivirus.com
www.cai.com
etc, etc, etc...

73

N9JCA--Chris wrote:
>
> >From: N9JCA--Chris <n9jca@sigecom.net>
>
> this is "Off Topic" but I thought it might be some help to others.
>

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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462. [aprssig] Re: Check for W32.Nimda.A@mm

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 22 Sep 2001 04:50:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37753-2001.09.22-05.15.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:27 AM 9/22/01, N9JCA--Chris wrote:

>>From: N9JCA--Chris <n9jca@sigecom.net>
>
>this is "Off Topic" but I thought it might be some help to others.

How many times does Stan have to say to stop posting virus alerts to this
SIG?   Unless someone here lives in a salt mine, the Nimda virus has been
well documented on ABC News, MSNBC, CNET, and CNN (among others).

Please stop.

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

463. [aprssig] OT:Laptop Active Matrix Screen

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Sat, 22 Sep 2001 05:51:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37754-2001.09.22-05.17.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have just purchased an LCD Active Matrix Screen for an IBM Thinkpad laptop
(eBay auction for $38.00). I would like to use this screen as display
screen - driven by a laptop - in my SUV. Since the laptop has a VGA port for
an monitor, I plan to drive the display screen from that port. My
question(s) is can this be done and if so is it feasible? Any enlightenment
would be appreciated.

TIA

Vic

_____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

Home of the WindReader Electronic Theodolite
Read the WIND

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

464. [aprssig] Re: Laptop Active Matrix Screen

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 22 Sep 2001 06:07:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37758-2001.09.22-06.33.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:51 AM 9/22/01, Vic Fraenckel wrote:

>I have just purchased an LCD Active Matrix Screen for an IBM Thinkpad laptop
>(eBay auction for $38.00). I would like to use this screen as display
>screen - driven by a laptop - in my SUV. Since the laptop has a VGA port for
>an monitor, I plan to drive the display screen from that port. My
>question(s) is can this be done and if so is it feasible? Any enlightenment
>would be appreciated.
>

I'm sure it's feasible, but is it practical? At what cost? It seems to me that by the time you cobbled up the appropriate electronics, you'd be well into a few hundred dollars in parts and labor. I've seen reman'ed Desktop LCD panels for under 300 bucks that are designed to take VGA directly and are slightly bigger than the average laptop display.

Here's the major problem. Computer LCD panels are not very bright, even the high-end laptops and desktop LCD displays seldom exceed 300 nits of brightness and most are in the 70 to 200 nit range. This becomes a problem in an automobile during the day as just about any computer LCD display will washout completely in the sun. I have a car with the "Calizona" maximum legal tinting on all windows and I've never found a laptop that I can see reliably in daylight. Yes there are trans-reflective and high brightness LCD panels (800-1200 nit), but they often run in the over $1000 range.

http://www.earthlcd.com/

Another problem. That backlight - the CCFL (cold cathode fluorescent lamp) - found in most TFT LCD panels is literally a tiny set of fluorescent lamps. And they are fragile. A typical laptop display is not designed for rigid vehicle mounting and will suffer a reduced service life in this application.

http://www.jkllamps.com/

Some newer technology is on the way with InGaN LED backlit LCD displays (2000 to 4000 nits!) and even organic LED only displays that will do away with the LCD altogether. Not only will these be more rugged than current displays, they should be cheaper to manufacture and use less power. Current CCFL technology has about 50% system efficiency in nits per watt, whereas these new LED lighting schemes have about 70% efficiency in nits per watt (and it's only getting better).

http://www.mse.berkeley.edu/Groups/Weber/feick/gan/ganLED.html

The downside: You won't be seing wide scale commercial acceptance of these new technologies for another 2 to 4 years, mainly because so many manufacturers are so entrenched in current technology...

My advice: It's probably cheaper to buy a tablet computer like the Fujitsu Stylistic 1200 than to try to convert a Laptop LCD panel to accept a VGA signal.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

465. [aprssig] APRS Atlanta Volunteer

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 10:26:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37782-2001.09.22-09.50.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need someone familiar with the Atlanta area to build an object file of
all the "things" in the area that a traveler would be interested in going
to the AMSAT annual Convention in Decatur next weekend.

I will be giving a talk/demo at the AMSAT confernce in Decatur on the
weekend of 5 Oct and will demonstrate the serving up of Tiny-Web-Pages to
everyone with a D7. I will be running an APRSdata server in the area
throughout the weekend so everyone visiting the area can use their D7 to
access this kind of local information.

Building such a "sample" file is trivial.
Just bring up a map of the area, and move your mouse around to the
location of all the "things" of interest and insert an object there.
then send me the resulting log file.

These are the kinds of things that APRSdata.exe can serve up:

HOSPITALS (include phone number)
CLUBS (include date and times of monthly meetings)
NETS (Include freq and time of weekly meeting)
FD   (location of field day sites)
EOC
FOOD (fast food locatiosn)
GAS
PARKS
CAMPS   (include phone number)
VOICE   (most popular voice repeaters on 2m)
SHELTER (schools etc...)

Do as much or as little as you have time for. I will also eventually have
to sort each category into different files... So do them all in bunches
in order so that it is easier for me to cut and paste all the hospitals at
once, etc... But just send me the ONE file, since I will have to convert
from the LOG file format of your version of APRS into the XXXX.POS format
that is used for overlaying objects on maps and for the data bases in
APRSdata.exe...

Notice that not only does the D7 display the NAME, LOCAION, DISTANCE and
DIRECTION to the object, but also 20 characters of free text (two lines of
10 characters each). So include in the object comment field whatever you
think is appropriate. (This takes more work, and if you dont have time,
just put in fake fields... FOr example, for the hospitals, just put "Phone
No." instead of looking up the actual phone number... etc...

This way, anyone that sends a QUERY HOSP, will at least see the
capability..

If you are not familiar with the APRSdata.exe's ability to serve up
TINY-WEB-PAGES to the Kenwood D7 and D700 radios in response to a QUERY
message, then see http://www.ew.usna.edu/~bruninga/satinfo.html

OOPS, that page only talks about TWPS for satellite data, Ill have to add
a link to my paper on TWPs..

Thanks!

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html

APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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466. [aprssig] Q: Getting (voice) rptr info onto the map

From: Daniel Wesemann <hb9zig_aprssig@cerveza.ch>
Date: Sat, 22 Sep 2001 17:20:17 +0200 (CEST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37788-2001.09.22-10.35.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all.

I recently returned from an extended trip to the southwestern U.S. While
we were on the road, I got somewhat annoyed that we had to switch back and
forth between UIView and the ARRL Repeater software (we had two radios,
working voice and APRS at the same time). Consequently, I started
wondering whether it would maybe make sense to extend the APRS protocol
with a "RPTR Query" message that would solicit a response from a "Repeater
Info Hub", which in turn would make the nearby (it's got my position,
after all) 2m/440 rptrs appear on the APRS map. Another variant would be
to have a designated "repeater info hub" to just transmit the rptr info of
its area, bulletin-style, every 30mins or so.

I know it's not practical for cities with dozens of
repeaters, but it could be very convenient indeed for those travelling
along the interstates or in remote ("rural") regions where repeaters are
few and far between.

Comments, anybody ?

best regards from switzerland,
-daniel, HB9ZIG

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467. [aprssig] Slighty Off-Topic, I think ...

From: "Ken Livingston" <undrhil@hotmail.com>
Date: Sat, 22 Sep 2001 11:24:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37803-2001.09.22-11.47.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a question about SSTV. I know it's not APRS, but I'm sure that
someone on this list also has an interest in SSTV and ATV. If that (or
those) someone(s) could email me, I have a few questions about this mode
which I cannot find the answers to online. Also, if anyone on here is in
the Montgomery, AL area and are interested in SSTV, please email me because
I haven't heard anyone locally talking about SSTV. (Well, there's one guy
who lives too far from me to reach with my HT, but I am sure he listens to
the local nets ...)

Anyway, I appreciate any help anyone will be able to provide. :)

Undrhil@hotmail.com
Ken Livingston
KK4KEN

"I am proud to be an American, cause at least I know I'm free."

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468. [aprssig] RE: slightly off topic.. Tower Site

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Sat, 22 Sep 2001 14:20:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37828-2001.09.22-13.44.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Glen,
That is kind of tough to do. My recommendation is to use the http://www.fcc.gov/wtb/asr/ link. This is the FCC web site for antenna structure registration. If you use netscape to go to this site you can get in and do a database query within a certain radius of a lat and long. You need to use an older version of netscape, older than 4.6. The only problem with this is the towers they have record of are any that require an FAA filing and subsequently an FCC registration number, and that the owner did this registration. This is probably the only free clearing house of towers that you can find. If the tower is owned by any of the big tower companies odds are it will be in there, they tend to register all of their towers to be safe. If it is a small one that doesn't need to be lit for FAA purposes it may not be listed. Hope that helps.

Thank you,
Brian Webster N2KGC
214 Eggleston Hill Rd
Cooperstown, NY 13326

(443) 956-7120 Cell
(208) 692-1898 Fax
(360) 242-1363 Voicemail/Fax

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Glen Briggs (KB0RPJ)
Sent: Friday, September 21, 2001 10:29 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] slightly off topic.. Tower Site

I one time ran across a website that could search for tower locations by City and/or County or ZIP.. does anyone know what site, or can think of similar sites.
Thanks,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
KB0RPJ

There are two things that make people all over the world happy.. if you find them, please let me know
---

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469. [aprssig] RE: slightly off topic.. Tower Site

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Sat, 22 Sep 2001 14:27:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37829-2001.09.22-13.50.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry folks gave the wrong link

http://www.fcc.gov/wtb/antenna/

Thank you,
Brian Webster
214 Eggleston Hill Rd
Cooperstown, NY 13326

(443) 956-7120 Cell
(208) 692-1898 Fax
(360) 242-1363 Voicemail/Fax

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Brian Webster
Sent: Saturday, September 22, 2001 2:21 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] RE: slightly off topic.. Tower Site

Glen,
That is kind of tough to do. My recommendation is to use the http://www.fcc.gov/wtb/asr/ link. This is the FCC web site for antenna structure registration. If you use netscape to go to this site you can get in and do a database query within a certain radius of a lat and long. You need to use an older version of netscape, older than 4.6. The only problem with this is the towers they have record of are any that require an FAA filing and subsequently an FCC registration number, and that the owner did this registration. This is probably the only free clearing house of towers that you can find. If the tower is owned by any of the big tower companies odds are it will be in there, they tend to register all of their towers to be safe. If it is a small one that doesn't need to be lit for FAA purposes it may not be listed. Hope that helps.

Thank you,
Brian Webster N2KGC
214 Eggleston Hill Rd
Cooperstown, NY 13326

(443) 956-7120 Cell
(208) 692-1898 Fax
(360) 242-1363 Voicemail/Fax

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Glen Briggs (KB0RPJ)
Sent: Friday, September 21, 2001 10:29 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] slightly off topic.. Tower Site

I one time ran across a website that could search for tower locations by City and/or County or ZIP.. does anyone know what site, or can think of similar sites.
Thanks,

Glen Briggs
IRC: wx - DALnet & AustNET

E-Mail: wx@grundyec.net
ICQ: 1133850
KB0RPJ

There are two things that make people all over the world happy.. if you
find them, please let me know

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470. [aprssig] Re: Q: Getting (voice) rptr info onto the map

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 16:58:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37835-2001.09.22-16.23.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 22 Sep 2001, Daniel Wesemann wrote:

> ... While we were on the road, I got somewhat annoyed that we had to
> switch back and forth between UIView and the ARRL Repeater software...
> Consequently, I started wondering whether it would maybe make sense to
> extend the APRS protocol with a "RPTR Query" message that would
> solicit a response from a "Repeater Info Hub", which in turn would
> make the nearby (it's got my position, after all) 2m/440 rptrs appear
> on the APRS map.

This already exists in 2 ways:

1) In APRSdos just hit MAPS-OVERLAY-VOICE and all voice repeaters will be
overlayed (I am always open to people sending inputs to this database...)

2) Just send a message to QUERY and make the first word of the message be
VOICE. If there is an APRSdata server in your area, it will respond with
the closest popular voice reepeater to you...

To see where all the APRSdata servers are, go to

http://www.ew.usna.edu/~bruninga/satinfo.html

de WB4APR, Bob

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471. [aprssig] Re: Slighty Off-Topic, I think ...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 16:59:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37836-2001.09.22-16.25.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 22 Sep 2001, Ken Livingston wrote:

> I have a question about SSTV. I know it's not APRS, but I'm sure that
> someone on this list also has an interest in SSTV and ATV.

APRS and SSTV and ATV can be fully integratetd. See

http://www.ew.usna.edu/~bruninga/aprn.html

de wb4apr

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472. [aprssig] Kodiak Star Launch 80% GO

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 17:06:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37838-2001.09.22-16.31.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WX looks good. COunt down is running for launch tonight at 0100z 23 Sept
(Thats 2100 EDT Saturday night on the 22nd.) GIve me a few moments to
update the KEPS on the web page. The updated ones will show a julian date
of 266. But ground track remains the same no matter when it is launched.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

473. [aprssig] Kodiak Star Launch

From: N9JCA--Chris <n9jca@sigecom.net>
Date: Sat, 22 Sep 2001 16:40:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37843-2001.09.22-17.05.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Once the satellite is launched,how long will it be before we can use it for
APRS?

How will it circle the Globe? Just hang in Space or just make a pass over
the US every so often?

Do we need any kind of "special " software to communicate with it?

Thanks in advance--N9JCA Chris

  "We are not Strangers,just Friends who Have Never Met"
All Incoming and outgoing E-Mail,at this computer, is scanned by Norton 2001

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474. [aprssig] Re: Kodiak Star Launch

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 18:33:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37872-2001.09.22-17.58.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Once the satellite is launched,how long will it be before we can use
> it for APRS? How will it circle the Globe? Just hang in Space or just
> make a pass over the US every so often?
>
> Do we need any kind of "special " software to communicate with it?

No. Normal APRS

See answers on PCsat WEB page and ASTARS WEB pages below...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design	http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

475. [aprssig] Re: Kodiak Star Launch 80% GO

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 22 Sep 2001 17:36:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37873-2001.09.22-17.59.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:06 PM 9/22/01 -0400, Bob Bruninga wrote:
>WX looks good. COunt down is running for launch tonight at 0100z 23 Sept
>(Thats 2100 EDT Saturday night on the 22nd.) GIve me a few moments to
>update the KEPS on the web page. The updated ones will show a julian date
>of 266. But ground track remains the same no matter when it is launched.

Good luck! Someone else dumped one in the ocean yesterday IIRC, so the
launch gremlins have probably been appeased :)

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

476. [aprssig] Re: Kodiak Star Launch 80% GO

From: "andrew" <andrew.rich@bigpond.com>
Date: Sun, 23 Sep 2001 09:29:09 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37876-2001.09.22-18.47.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Weather here is about to rain, its 09:24 am local, tw hours till launch,

seeing 10:00 am is 00:00 z here.

I am about to set up things in the back yard, have digital camera at the
ready.

Good luck.

Will post live updates..

Andrew VK4TEC

----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 7:06 AM
Subject: [aprssig] Kodiak Star Launch 80% GO

> WX looks good. COunt down is running for launch tonight at 0100z 23 Sept
> (Thats 2100 EDT Saturday night on the 22nd.) GIve me a few moments to
> update the KEPS on the web page. The updated ones will show a julian date
> of 266. But ground track remains the same no matter when it is launched.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
>
>
> ---
> You are currently subscribed to aprssig as: andrew.rich@bigpond.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

477. [aprssig] PCsat Launch on TV

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 19:36:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37878-2001.09.22-19.00.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NASA Select TV is carrying the launch.
Weather still looks good with 90% but there is a downrange problem with a
radar. Count continues now with 1.5 hours to go. If radar is not fixed,
then there will be a hold at T-1 hoooour until it is fixed.

The launch window is 2 hour wide.
Time is now 1940 EDT (2340z)

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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478. [aprssig] Re: Slighty Off-Topic, I think ... <LYR25140-37836-2001.09.22-16.25.03--kb2scs#optonline.net@lists.tapr.org>

From: John <kb2scs@optonline.net>
Date: Sat, 22 Sep 2001 20:10:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37881-2001.09.22-19.35.37--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hi Ken
           When you are done looking at Bob's
APRN Web page and if APRN sounds like something you want to
do. Then please go to
http://www.qsl.net/kb2scs
There you can download the Software that makes APRN
possible.
Like all my other software APRN is Freeware (no charge).

On 22 Sep 2001, at 16:59, Bob Bruninga wrote:

> On Sat, 22 Sep 2001, Ken Livingston wrote:
>
> > I have a question about SSTV. I know it's not APRS, but I'm sure that
> > someone on this list also has an interest in SSTV and ATV.
>
> APRS and SSTV and ATV can be fully integratetd. See
>
> http://www.ew.usna.edu/~bruninga/aprn.html
>
> de wb4apr

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@optonline.net

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479. [aprssig] Re: Q: Getting (voice) rptr info onto the map

From: dougy@ruraltel.net (Doug Younker)
Date: Sat, 22 Sep 2001 16:18:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37893-2001.09.22-20.30.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

    Not exactly what you described but, I'm pasting a reply from Bob B. in
response to a question by me. This could make the info you desire and more
available.
Doug, N0LKK

----- Original Message -----
From: "Daniel Wesemann" <hb9zig_aprssig@cerveza.ch>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 22, 2001 10:20 AM
Subject: [aprssig] Q: Getting (voice) rptr info onto the map

: Hi all.
:
: I recently returned from an extended trip to the southwestern U.S. While
: we were on the road, I got somewhat annoyed that we had to switch back and
: forth between UIView and the ARRL Repeater software (we had two radios,
: working voice and APRS at the same time). Consequently, I started
: wondering whether it would maybe make sense to extend the APRS protocol
: with a "RPTR Query" message that would solicit a response from a "Repeater
: Info Hub", which in turn would make the nearby (it's got my position,
: after all) 2m/440 rptrs appear on the APRS map. Another variant would be
: to have a designated "repeater info hub" to just transmit the rptr info of
: its area, bulletin-style, every 30mins or so.
:
: I know it's not practical for cities with dozens of
: repeaters, but it could be very convenient indeed for those travelling
: along the interstates or in remote ("rural") regions where repeaters are
: few and far between.
:
: Comments, anybody ?
:
: best regards from switzerland,
: -daniel, HB9ZIG

>From WB4APR, Bob to myself;
> ... In regards to travelers. At one time you could connect to my

> node on .01 and send a command to get information.... I'm still
> curious if there's a way to accomplish something similar? The info
> could contain who to contact, recommended settings, [etc...]
Yes, and the info is served up as tiny WEB pages on your Kenwood D7 HT
or D700 displays. You don't have to konw who to connect to or where. To
see which areas are covered, see:

http://www.ew.usna.edu/~bruninga/satinfo.html

Dont be confused by the name. It began as a project to serve out
Satellite info to mobiles, but then added ANY subject as well.

If there is an APRSdata server in your area you simply send an APRS
message to QDOS and in the text of the message enter the item you want
info on. Here are some examples:

```
MESSAGE   MSG TXT    SHOULD RESPOND WITH
-------   -------    --------------------------------------------------
:QDOS     :CLUBS     location and phone number of nearest club
:QDOS     :NET       location and times of nearest net
:QDOS     :FREQ      location and frequency of nearest 2m voice APRS rptr
:QDOS     :HOSP      location and phone of nearest Hospital
:QDOS     :SATS      Satellite pass schedule
```

Etc etc, Any file can be placed on an APRSdata server to serve data
on any subject to any other QUERY. The only requirements for the
APRSdata system to make this work are:

1) There must be an APRSdata server within a few hops of your position
2) The server needs a XXXX.POS file in the POS dir for each topic
3) The Filenme XXXXX is the MSG TEXT to use in the Query.

BAD news is :
1) there are not that many people runninng APRSdata servers on line and
many XXXX.POS files need to be assembled from local information

2) APRSdata is a version of APRSdos, and so few people run it anymore.

GOOD NEWS:

1) It can run forever on any old 386 or better PC or laptop and radio.
2) You only need one per major metropolitan area
3) It comes built in with these national files:

```
  RS.POS     Responds with the nearest Radio Shack
  CRASH.POS  Responds with nearest old airplane crash (For CAP SAR)
  NWR.pos    Responds with nearest NOAA WX radio
  ATV.POS    Responds with nearest ATV repeater and freeq
  DX.POS     Responds with nearest DX cluster an dFreq
  STORES.POS Responds with nearest HAM store
```

So its all there, we just need more people running servers. and building
XXXX.POS files for their areas...

de WB4APR, Bob

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480. [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 21:06:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, <amsat-bb@AMSAT.Org>
Message-ID: <LYR842-37894-2001.09.22-20.31.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Duh.... thanks
:-)
Bob

On Sat, 22 Sep 2001, Tom Clark wrote:

> Bob, I hate to bring up topics like this but I feel I must. Your posting a

> few hours ago said:
>
> > [snip] The updated ones will show a julian date of 266.
>
> WRONG!!!! -- the day=266 is >>NOT<< the Julian date (JD). The current Julian
> Date is 2,452,174 and it represents the elapsed number of days since ~4713
> BC (approximately the date that the good Rev. Usher ascribed to the
> Creation).
>
> Because this is an inconveniently large number, the term Modified Julian
> Date (MJD) is given by
> the equation JD-2,400,000.5 making the current MJD be 52175. The reason for
> the 0.5 on the end of the constant is that JD is reckoned from Noon whilst
> more common usage has the day beginning at midnite UTC (=GMT="z"). When
> scientists use MJD, it is common to add the fraction of a day to this, so as
> I write this message at ~00:40:00 UTC, the MJD is ~52175.03. The Calendar
> date corresponding to MJD=0 was in November, 1842.
>
> The other continuous date we often see used is the "Excel" date (which I
> call XD). Excel uses elapsed days since Jan 0th, 1900 (i.e. Dec.31,1899),
> making it now be XD=37157. Obviously, MJD=XD+15018.
>
> The "266" that you incorrectly called the "Julian Date" is properly named
> "Day-of-the-year" which many of us abbreviate DOY. Any attempt to call this
> JD 266 immediately puts you 6700 years behind time!
>
> Anyway -- good luck on the launch a few minutes from now.
>
> 73 de Tom, W3IWI
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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481. [aprssig] Operating Systems

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 23 Sep 2001 11:17:36 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37902-2001.09.22-20.42.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

I dunno about you but I am fed up with re-builds, resets and Viruses.

I had WIN98 and Linux.

Linux is stable, but cant seem to find a satellite tracking program for
linux.

All I want to do is surf the web, e-mail, APRS and track satellites.

I keep getting let down with virus attacks, windows lockups, and resets.

We use UNIX at work....reset NEVER in 12 months.

Hummmm...

Thoughts / comments ?

Andrew VK4TEC

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482. [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Sat, 22 Sep 2001 20:20:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37903-2001.09.22-20.45.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think I'm watching it on NASA Select on my DISH... WAVE hello BOB

-----Original Message-----
From: bounce-aprssig-20679@lists.tapr.org
[mailto:bounce-aprssig-20679@lists.tapr.org] On Behalf Of Bob Bruninga
Sent: Saturday, September 22, 2001 8:06 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; amsat-bb@AMSAT.Org
Subject: [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

Duh.... thanks
:-)
Bob

On Sat, 22 Sep 2001, Tom Clark wrote:

> Bob, I hate to bring up topics like this but I feel I must. Your
posting a
> few hours ago said:
>
> > [snip] The updated ones will show a julian date of 266.
>
> WRONG!!!! -- the day=266 is >>NOT<< the Julian date (JD). The current
Julian
> Date is 2,452,174 and it represents the elapsed number of days since
~4713
> BC (approximately the date that the good Rev. Usher ascribed to the
> Creation).
>
> Because this is an inconveniently large number, the term Modified
Julian
> Date (MJD) is given by
> the equation JD-2,400,000.5 making the current MJD be 52175. The
reason for
> the 0.5 on the end of the constant is that JD is reckoned from Noon
whilst
> more common usage has the day beginning at midnite UTC (=GMT="z").
When
> scientists use MJD, it is common to add the fraction of a day to this,
so as
> I write this message at ~00:40:00 UTC, the MJD is ~52175.03. The
Calendar
> date corresponding to MJD=0 was in November, 1842.
>
> The other continuous date we often see used is the "Excel" date (which
I
> call XD). Excel uses elapsed days since Jan 0th, 1900 (i.e.
Dec.31,1899),
> making it now be XD=37157. Obviously, MJD=XD+15018.
>
> The "266" that you incorrectly called the "Julian Date" is properly
named
> "Day-of-the-year" which many of us abbreviate DOY. Any attempt to call
this
> JD 266 immediately puts you 6700 years behind time!
>
> Anyway -- good luck on the launch a few minutes from now.
>
> 73 de Tom, W3IWI
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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483. [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Sat, 22 Sep 2001 20:22:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37904-2001.09.22-20.47.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Showing hold at T -20.

Is that right? The narrator is describing the launch facility..

-----Original Message-----
From: bounce-aprssig-20679@lists.tapr.org
[mailto:bounce-aprssig-20679@lists.tapr.org] On Behalf Of Bob Bruninga
Sent: Saturday, September 22, 2001 8:06 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; amsat-bb@AMSAT.Org
Subject: [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

Duh.... thanks
:-)
Bob

On Sat, 22 Sep 2001, Tom Clark wrote:

> Bob, I hate to bring up topics like this but I feel I must. Your
posting a
> few hours ago said:
>
> > [snip] The updated ones will show a julian date of 266.
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> BC (approximately the date that the good Rev. Usher ascribed to the
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> Because this is an inconveniently large number, the term Modified
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> the equation JD-2,400,000.5 making the current MJD be 52175. The
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> the 0.5 on the end of the constant is that JD is reckoned from Noon
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> more common usage has the day beginning at midnite UTC (=GMT="z").
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> scientists use MJD, it is common to add the fraction of a day to this,
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> I write this message at ~00:40:00 UTC, the MJD is ~52175.03. The
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> date corresponding to MJD=0 was in November, 1842.
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> The other continuous date we often see used is the "Excel" date (which
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> call XD). Excel uses elapsed days since Jan 0th, 1900 (i.e.
Dec.31,1899),
> making it now be XD=37157. Obviously, MJD=XD+15018.
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> The "266" that you incorrectly called the "Julian Date" is properly
named
> "Day-of-the-year" which many of us abbreviate DOY. Any attempt to call
this
> JD 266 immediately puts you 6700 years behind time!

>
> Anyway -- good luck on the launch a few minutes from now.
>
> 73 de Tom, W3IWI
>

de WB4APR@amsat.org, Bob

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PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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484. [aprssig] PCsat on hold.

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 21:29:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37906-2001.09.22-20.54.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat launch on hold until a radar is fixed. The Launch window is 2 hour
long. We are already 30 minutes into it. They have been working on the
radar for over 3 hours... THey are also trying to extend the launch
widndow an additional hour by getting FAA approval.

So bottom line. It didnt go on time. But still may... If still no go
after 3 hours it will slip to another day, and next 2 days look bad for
wweather.

WIndow is from 0100z to 0300z...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
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485. [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

From: "Chris Schwab" <1schwab1@tampabay.rr.com>
Date: Sat, 22 Sep 2001 21:34:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37911-2001.09.22-20.59.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

I'm currently watching the video feed on United space alliance and I have
audio & video - But if I listen to it off of Nasa's site
(http://spaceflight.nasa.gov/), all I get is video (no audio). United Space
Alliance uses Real Audio, and NASA uses Media Player if that's any help.

Is it just me, or is this a problem with NASA's feed?

Thanks!!
Chris N4BSA

-----Original Message-----
From: bounce-aprssig-2015@lists.tapr.org
[mailto:bounce-aprssig-2015@lists.tapr.org]On Behalf Of Kevin Brown
Sent: Saturday, September 22, 2001 9:22 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

Showing hold at T -20.

Is that right? The narrator is describing the launch facility..

-----Original Message-----
From: bounce-aprssig-20679@lists.tapr.org
[mailto:bounce-aprssig-20679@lists.tapr.org] On Behalf Of Bob Bruninga
Sent: Saturday, September 22, 2001 8:06 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; amsat-bb@AMSAT.Org
Subject: [aprssig] RE: [amsat-bb] Kodiak Star Launch 80% GO

Duh.... thanks
:-)
Bob

On Sat, 22 Sep 2001, Tom Clark wrote:

> Bob, I hate to bring up topics like this but I feel I must. Your
posting a
> few hours ago said:
>
> > [snip] The updated ones will show a julian date of 266.
>
> WRONG!!!! -- the day=266 is >>NOT<< the Julian date (JD). The current
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> Date is 2,452,174 and it represents the elapsed number of days since
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> BC (approximately the date that the good Rev. Usher ascribed to the
> Creation).
>
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> Date (MJD) is given by
> the equation JD-2,400,000.5 making the current MJD be 52175. The
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> the 0.5 on the end of the constant is that JD is reckoned from Noon
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> more common usage has the day beginning at midnite UTC (=GMT="z").
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> scientists use MJD, it is common to add the fraction of a day to this,
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> I write this message at ~00:40:00 UTC, the MJD is ~52175.03. The
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> date corresponding to MJD=0 was in November, 1842.
>
> The other continuous date we often see used is the "Excel" date (which
I
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Dec.31,1899),
> making it now be XD=37157. Obviously, MJD=XD+15018.
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> The "266" that you incorrectly called the "Julian Date" is properly
named
> "Day-of-the-year" which many of us abbreviate DOY. Any attempt to call
this
> JD 266 immediately puts you 6700 years behind time!
>
> Anyway -- good luck on the launch a few minutes from now.
>
> 73 de Tom, W3IWI
>

de WB4APR@amsat.org, Bob

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MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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486. [aprssig] PCsat Launch live

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 23 Sep 2001 12:04:20 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37916-2001.09.22-21.28.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.broadcast.com/learning_and_education/science/space/nasa/nasa_tele
vision/

See and hear PCsat launch Live !!

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

487. [aprssig] SCS PTC-II

From: John & Karen Nickel <wd5eev@hit.net>
Date: Sat, 22 Sep 2001 21:14:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37918-2001.09.22-21.39.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have any information on interfacing a SCS PTC-II TNC to APRS+SA?

Thanks, John

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

488. [aprssig] New Digi

From: "James Fuller" <n7vmr@fuller.net>
Date: Sat, 22 Sep 2001 20:19:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37919-2001.09.22-21.43.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

First a little story:-)

After being bitten by the APRS bug, I found myself wishing for more
coverage.
Looking on the shelf was this Paccom Tiny2 MKII that was gather dust.
It has version 3 level firmware. This would work as a DIGI, I thought.
So, out it came and tested good. I interfaced it to an old FT470
that was also looking for work. Bingo one instant digi.

Now it just so happens I have access to the N7VMR Repeater site at GREENO

Hill.
It sets about 2500 feet above average terrain with a 100 ft stick. Aw now
comes the rub,
Repeater is 145.300/144.730. Band pass cavities are 100khz wide, hum,
possibilities here, yet:-)
Repeater Power output is 10W and has a coverage of about 160 miles with the
antenna at 100 ft level.

So, up to the site with the equipment. Hey, no degradation with the service
monitor or
with several weak signals. The unit hears a packet and retransmits it,
wonderful.
We now have a WIDE area digi:-)

Ops, Operator error now creeps into the picture. In my hurry to get this up,
I did not
ask anyone about the proper things to make it work right:-) Ok off to the
Internet, Bummer.
All the web sites only talk about KP3.

I know APRS existed prior to the KP3. So I wish to request some direction on
the proper settings.

As Now Configured:

MYcall N7VMR-10
MYAlias WIDE
UNPROTO APRS VIA RELAY,GATE,WIDE,WIDE2-2,WIDE3-3
BText >!=4531.218N/10831.258W-PHG5110 GREENO HILL
B E 90 (Every 15 Min)
Digi ON
Mon ON
MR ON

It is my uneducated opinion that at the very lest the UNPROTO is wrong and
the BText needs assistance.
I could use some pointers to getting the correct settings.

Jim Fuller
N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

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489. [aprssig] Kodiak Star scrubbed for 23rd.

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 22:37:15 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37920-2001.09.22-22.02.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Launch is scrubbed due to radar problems.
Bad weather expected next 2 days. THey will be there each day at 0100z in
case weather improves, but they dont expect it to improve until Tuesday
(0100z on the 26th).

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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490. [aprssig] Re: Operating Systems

From: RMckni8527@aol.com
Date: Sat, 22 Sep 2001 22:42:51 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: aprssig@tapr.org
Message-ID: <LYR842-37921-2001.09.22-22.08.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/22/01 6:19:41 PM Pacific Daylight Time,
andrew.rich@bigpond.com writes:

> We use UNIX at work....reset NEVER in 12 months.

That's great, and yes, it's very stable, reliable, blah blah blah. Now, take
that sawzall and rip open your bank account, because most people spend as
much licensing the OS as the computer it runs on. Not to mention that
software for Unix STARTS at 3X the cost of the identical WinXX version.

Linux? It's great too, and most software is generally free. But I don't
want anyone who has EVER badmouthed DOS to talk to me about Linux - I became
proficient and eventually expert in DOS rather quickly. I keep fooling with
Linux and just feel dumber the more I try. Even took a $3000 week long
professional level course in it, boy, was THAT a waste of money! Now I just
know how to ask stupid questions, intelligently.

I don't think there's a solution. Computers are like cats. You never just
HAVE a cat, you have a cat PROBLEM.

I wonder if we aren't better off with the simpler, reliable technology. My
CW key never gave me a GPF, if I didn't copy the station it was my fault, and
it didn't take a billion dollars of widgets to have fun.

Just my humble opinion
73's
Ray - WB3ABN
Kingston, WA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

491. [aprssig] Re: Operating Systems

From: Earl Needham <needhame@yucca.net>
Date: Sat, 22 Sep 2001 21:02:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37923-2001.09.22-22.27.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:17 AM 9/23/2001 +1000, Andrew Rich wrote:
>Gents,
>
>I dunno about you but I am fed up with re-builds, resets and Viruses.
>
>I had WIN98 and Linux.
>
>Linux is stable, but cant seem to find a satellite tracking program for
>linux.

I believe STK is native to UNIX. Try going to http://www.stk.com
and request a CD. They'll send it to you FREE and you can use the basic
program for free as long as you like.

Be prepared for a steep learning curve, though. AS IN
VERTICAL! but once you get it, it's the best program I've ever seen.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

492. [aprssig] AHubwest.net Server Changes

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 22 Sep 2001 22:7:1
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37928-2001.09.22-22.31.39--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

NOTE: On Sept. 22nd, 2001, I changed the settings of AHUBWEST.NET. The same raw world-wide APRS feed is on Port 2023, as before. However, port 14579 now uses the same world-wide APRS feed without displaying USERLIST and javaMSG messages. Also, this feed is completely checked for errors and duplicates from the main servers.

AHubwest.net combines ALL APRS data from 3 main sources simultaneously. All APRS data is checked for errors and duplicates on port 14579. The feed is bi-directional and has been tested by certain individuals over the past few months. Igates have experienced connectivity that has been measured in days/weeks, not hours.

If you are interested in participating in the demo stages of this new server, please drop me an email. In turn, I will answer your questions and supply you with information about these new AHUB servers.

Thanks to N0AN, K4HG, WB0WNX, KB0TVJ, WA7QFR, N5YSQ, KH2Z, N7UKL, NA4V, KB9UQQ, AA9MM, KJ7AZ, KC7ZHI, N7GOT, KE6AFE, and countless others during beta testing. Big thanks to Bill Diaz, KC9XG for his great programming.

To continue with further beta testing please connect to ahubwest.net port 14579. The last run for this port has been over 6 days, continuous.

Dick Stanich, KB7ZVA
http://www.digitaldune.net/~ahubwest/
AFilter Upgrades http://www.digitaldune.net/~ahubwest/files/
dick@kb7zva.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

493. [aprssig] Re: Operating Systems

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 22 Sep 2001 22:09:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37929-2001.09.22-22.31.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Andrew Rich wrote:
>
> Gents,
>
> I dunno about you but I am fed up with re-builds, resets and Viruses.
>
> I had WIN98 and Linux.
>
> Linux is stable, but cant seem to find a satellite tracking program for
> linux.
>
> All I want to do is surf the web, e-mail, APRS and track satellites.
>
> I keep getting let down with virus attacks, windows lockups, and resets.
>
> We use UNIX at work....reset NEVER in 12 months.
>
> Hummmm...
>
> Thoughts / comments ?

I used (and somewhere still have a copy of) SatTrack floating around.
Manfried Bester's program is truly stellar... without any intended pun.

Here's a page I found in about 30 sec of google search (linux satellite
tracking) at:
http://www.satellite.eu.org/orbsoft.html
that has links to several linux/unix packages.

For web and e-mail, the gnome and KDE desktops offer several solutions.
Most linux distros provide a copy of Netscape which can handle your
e-mail interests, too, if you don't mind some occasional oddities. Pine
and Elm are always there, as is Mutt.

Xastir handles the APRS duties.

Star Office, free from Sun Microsystems, covers most all the Microsoft

Office compatibility issues, as well. RealPlayer, Plugger and QuickTime
cover a lot of the multimedia package requirements. I use openH323 for
video conferencing. My geodetic software is natively Linux-based, and
recently (and only somewhat successfully) converted to WinNT/2K.
Acrobat readers abound. PDF writers are widely available, and Adobe
doesn't seem to mind...

My reboots at home tend to be because I've experimented with the kernel
too widely. Mine at work, where I have 2 sysadmins who manage the
kernel munging for me, tend to occur for power failures.

I'll take issue with the suggestion that Linux is incomprehensible. If
you're trying to do most of what I do, it takes several years of
virutally constant use, plus a good unix background, to get really
competent. And I'm still learning. If you're really intent on doing
the tasks you've outlined, the most important decisions will be things
like video resolution, which window manager and which desktop to use.

FWIW, our entire Math department is Linux (and StarOffice) based.
Windows is not supported. Yes, the secretaries use it too, and without
complaint. There are, according to my sources, 2 Macs and 1 Windows
box, maintained as unsupported systems, by tenured professors who won't
change to Linux. To them, the network remains seamless... Go figure.

73, gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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494. [aprssig] Re: Operating Systems

From: Kenneth Cechura <kcechura@umr.edu>
Date: Sat, 22 Sep 2001 22:58:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37932-2001.09.22-23.23.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i'vew heard that in all honesty mac OS X is more or less UNIX for all
practical purposes..... is this so?

On Sun, Sep 23, 2001 at 11:17:36AM +1000, Andrew Rich wrote:
> Gents,
>
> I dunno about you but I am fed up with re-builds, resets and Viruses.
>
> I had WIN98 and Linux.
>
> Linux is stable, but cant seem to find a satellite tracking program for
> linux.
>
> All I want to do is surf the web, e-mail, APRS and track satellites.
>
> I keep getting let down with virus attacks, windows lockups, and resets.
>
> We use UNIX at work....reset NEVER in 12 months.
>
> Hummmm...
>
> Thoughts / comments ?
>
> Andrew VK4TEC
>
>
> ---
> You are currently subscribed to aprssig as: kcechura@umr.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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495. [aprssig] Re: New Digi

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Sep 2001 00:13:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-37936-2001.09.22-23.38.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 22 Sep 2001, James Fuller wrote:

> Looking on the shelf was this Paccom Tiny2 MKII that was gather dust.
> As Now Configured:
>
> MYcall N7VMR-10
> MYAlias WIDE
> UNPROTO APRS VIA RELAY,GATE,WIDE,WIDE2-2,WIDE3-3

Wow...
1) A digi should never use a path with Relay in it. That will key up
every APRS TNC within rnage (160 miles... in your case)

2) A digi should never have GATE in its path. This is forcing your digi
onto HF where it is unwelcome. HF is only 300 baud and cannot possibly
handle even 1% of the 660 digis that exist.

3) There is no reason for having WIDE2-2 followed by WIDE3-3. If you want
five hops then use WIDE5-5. But this is still excessive for a digi. A
digi (in my opinion) should never go beyond 3 hops...

4) SInce the Tiny-2 can only have one beacon period and one beacon path,
then I sould suggest the paths of:
   a) If surrounded by WIDEn-N digis, then use the path of WIDE,WIDE2-2
   b) If surrounded by non-wideN-N digis, then use WIDE,WIDE

> BText >!=4531.218N/10831.258W-PHG5110 GREENO HILL

Improper format.
1) The leading ">" should not be there.
2) You have two type characters. The ! and the =. There should be 1.
3) A digi should not begin with a "=" since it is not manned nor can it
recieive aprs messges
4) THe format does not allow for 3 decimal points
5) it should use the DIGI ICON, not the house
6) It should use the overlay character of "W" since it is only a WIDE

Use this !4531.21NW10831.26W#PHG5110 GREENO HILL

That should do it...
de WB4apr, bOB

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496. [aprssig] Live Weather Data?

From: "Glen Briggs (KB0RPJ)" <wx@grundyec.net>
Date: Sat, 22 Sep 2001 23:39:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37952-2001.09.23-00.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

sorry bob, i know you got this twice :)

question..

has anyone ever tried to feed "LIVE" weather data from a home weather
station into an amatuer network.. by LIVE i mean.. if the station updates
the console every 2.5second.. a new wx packet is sent every 2.5seconds.

if not.. why couldn't we.. be something similar to "instant weather

networks" you see on T.V. Stations.

if anyone has information on a group or groups doing a similar thing..
please contact me off list

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497. [aprssig] Re: Live Weather Data?

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sat, 22 Sep 2001 23:56:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-37954-2001.09.23-00.20.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What would the source of this data be? Don't know if anybody has ever heard
of WeatherBug, but I've been pushing them to release a version that puts the
Weather Information on a webpage. So far, they just say, "We're working on
it." Maybe if we get more people pushing them to do this, they will do so.
I've also been trying to get them to tell me how they get their Weather
Information. I was hoping to make a Visual Basic App, that would covert it
into a file that could be used by APRS+ and WinAPRS, whenever it gets around
to supporting it.
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
http://kb9uqq.d2g.com/

_____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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498. [aprssig] N Connectors

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 23 Sep 2001 00:22:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37955-2001.09.23-00.47.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm busily trying to get my 802.11b freenet up and running (before winter
sets in here in SoDak - we've had snow in September in recent years). I
intend on using it for amateur radio purposes and perhaps to provide high
speed Internet access to local Walk-a-Thon's and next year's Field Day
. It'll be interesting to see if we can bridge the 15 miles or so with
directional antennas. I know I have LOS since I've worked the Sioux Falls
Digi with less than two watts from the EROS Data Center (using a 3 element
beam at ground level (literally shooting from the hip).

The 15 dBi omni antenna and lightning arrestor are on order.   Now I have
the fun part of getting a signal to it. I already had a custom cable
specially made for me with an RP-TNC connector on one end and a male N
connector on the other.   I intend on using Times Microwave LMR-400 to get
out of the house (about 16 feet) and then LMR-600 for the run from the
lightning arrestor up the tower to the antenna (about 40 feet).   Remember
we're dealing with 2.4 GHz signals measured in tens of milliwatts
here.   At some point in time I may add an amplifier to the mix.   I also
have a Cisco Aironet 352 PC Card on the way that puts out 100 milliwatts
barefoot (grunting like Tim Allen).

Anyhow, this is all going to require N connectors - 4 male ones to be
exact. At least one will have to be placed on the coax after being pulled
though the wall and out the (pre-existing) antenna port.

My problem: I'm suffering sticker shock at the cost of clamp-style
N-connectors (since I lack the proper $100-plus crimper).   LMR-600 Clamp N
connectors retail in the $20 to $30 range. Ouch.   I guess I'm soliciting
help on the best (Clamp) N connectors to use, the best place to buy them
from, and the best way to install them.   I'm looking at
cablexperts.com...   I see that they have a 6633S 2 pc N male connector for
LMR-400 at 4 bucks each (not bad) and the EZ600NMC male N connector for
LMR-600 at $20 each.   Suggestions? Comments?

BTW, does anyone have any experience with Centerpin connectors?   I see
that West Marine sells a Centerpin N connector, but doesn't really list any
details on it and what coax it'll work with.   They make a variety of
connectors.

http://www.centerpin.com/

73,

Mark
KC7BXS

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499. [aprssig] Ultrasonic wind sensor

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 23 Sep 2001 00:30:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37969-2001.09.23-00.55.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks cool. And pricey.

http://www.geneq.com/catalog/en/ultrasonic_wind_sensor.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

500. [aprssig] Re: Ultrasonic wind sensor

From: RMckni8527@aol.com
Date: Sun, 23 Sep 2001 03:40:42 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-37973-2001.09.23-03.05.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/22/01 10:33:21 PM Pacific Daylight Time,
sparkfel@qwest.net writes:

> http://www.geneq.com/catalog/en/ultrasonic_wind_sensor.htm

Never heard of these guys. Seems like a lot of folks are jumping on the
Ultra-S bandwagon lately. I have first hand experience with RM Youngs
product, and they offer direct NMEA output, programmable with whatever you
need right from your laptop. Plus it can also handle a limited number of
external temp/wind sensors to reduce the demand on external processors.
Sure, the U-S's are pricey, but only by about 2X of a QUALITY mechanical
anemometer, which has a much higher maintenance load! I've put several Young
ultrasonics on our USCG icebreakers which see 100+ mph winds on the way in
and out of the breakout of McMurdo in Antarctica, and they have held up
perfectly!

One of the big misunderstandings about US's (ultrasonics) is that they DO NOT
give you the wind as you typically see it - a straight line horizontal
vector. They read a 3-dimensional field - up - down- left- right - the wind
can be a very squirrley thing, and not apparent to the casual observer. If
all you want is wind direction and speed, a US is NOT a good (i.e.
ECONOMICAL) choice. You CAN derive the horizontal vectors from a US's values
(speed, hor & vertical angles), but unless you're in a hostile (cold, HIGH
wind) environment, it's a LOT cheaper to just put up a mechanical bird, for
now... HEATED US's are NOT well tested and icing is a BIG factor in US
accuracy. NASA is testing these on MT Washington, VT. On our icebreakers,

icing was an issue, but in 100+ kt winds, we were just glad the sensor didn't
go for a swim! YOUNG typically tests their sensors at around 250MPH...

FYI
Ray - WB3ABN
Kingston, WA

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501. [aprssig] Re: Operating Systems

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 23 Sep 2001 18:29:34 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37974-2001.09.23-03.54.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Sep 22, 2001 at 10:58:21PM -0500, Kenneth Cechura wrote:
> i'vew heard that in all honesty mac OS X is more or less UNIX for all
> practical purposes..... is this so?

Yes

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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502. [aprssig] Re: Operating Systems

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 23 Sep 2001 18:31:38 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37975-2001.09.23-03.56.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Sep 23, 2001 at 11:17:36AM +1000, Andrew Rich wrote:
> Linux is stable, but cant seem to find a satellite tracking program for
> linux.

There's a few choices. SatTrack (text based, no cost but not free
software), mtrack (for X11, free), predict (text based, free),
and others.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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503. [aprssig] Re: Operating Systems

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 23 Sep 2001 18:48:55 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37976-2001.09.23-04.13.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Sep 22, 2001 at 10:42:51PM -0400, RMckni8527@aol.com wrote:
> Linux? It's great too, and most software is generally free. But I don't
> want anyone who has EVER badmouthed DOS to talk to me about Linux - I became
> proficient and eventually expert in DOS rather quickly. I keep fooling with
> Linux and just feel dumber the more I try. Even took a $3000 week long
> professional level course in it, boy, was THAT a waste of money! Now I just
> know how to ask stupid questions, intelligently.

I'm a bit confused by your argument. Linux is no more difficult than
other UNIX systems (Solaris, HP-UX etc) to work on. Nor is it, IMHO,

particularly difficult; it just takes some experience.

There's no comparison with DOS. DOS is so simple because it does so
little. Take sound card support for example; every program which uses
sound on DOS has its own sound drivers built in, and needs its own
sound configuration program. If a program you want to use doesn't
support your card, you're stuffed. There was no API. It barely
qualifies as an operating system.

> I wonder if we aren't better off with the simpler, reliable technology. My
> CW key never gave me a GPF, if I didn't copy the station it was my fault, and
> it didn't take a billion dollars of widgets to have fun.

IMHO Linux is that simpler, more reliable technology. Release versions
of Linux on well supported hardware just don't crash.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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504. [aprssig] Re: Operating Systems

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 23 Sep 2001 20:34:57 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37983-2001.09.23-05.59.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well I bit the bullet and went dual boot for Linux / win98

I downloaded Predict and got that working.

Over the next few days I will start duplicating what I want to do in windows
in linux.

It has to be better than what I had.

Andrew

----- Original Message -----
From: Hamish Moffatt <hamish@cloud.net.au>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 6:48 PM
Subject: [aprssig] Re: Operating Systems

> On Sat, Sep 22, 2001 at 10:42:51PM -0400, RMckni8527@aol.com wrote:
> > Linux? It's great too, and most software is generally free. But I
don't
> > want anyone who has EVER badmouthed DOS to talk to me about Linux - I
became
> > proficient and eventually expert in DOS rather quickly. I keep fooling
with
> > Linux and just feel dumber the more I try. Even took a $3000 week long
> > professional level course in it, boy, was THAT a waste of money! Now I
just
> > know how to ask stupid questions, intelligently.
>
> I'm a bit confused by your argument. Linux is no more difficult than
> other UNIX systems (Solaris, HP-UX etc) to work on. Nor is it, IMHO,
> particularly difficult; it just takes some experience.
>
> There's no comparison with DOS. DOS is so simple because it does so
> little. Take sound card support for example; every program which uses
> sound on DOS has its own sound drivers built in, and needs its own
> sound configuration program. If a program you want to use doesn't
> support your card, you're stuffed. There was no API. It barely
> qualifies as an operating system.
>
> > I wonder if we aren't better off with the simpler, reliable technology.
My
> > CW key never gave me a GPF, if I didn't copy the station it was my
fault, and
> > it didn't take a billion dollars of widgets to have fun.
>

> IMHO Linux is that simpler, more reliable technology. Release versions
> of Linux on well supported hardware just don't crash.
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: andrew.rich@bigpond.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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505. [aprssig] Re: Operating Systems

From: "Scott" <smorris@mindspring.com>
Date: Sun, 23 Sep 2001 08:28:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37987-2001.09.23-07.53.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OS X is basically BSD UNix with two layers added on for the GUI

----- Original Message -----
From: "Hamish Moffatt" <hamish@cloud.net.au>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 4:29 AM
Subject: [aprssig] Re: Operating Systems

> On Sat, Sep 22, 2001 at 10:58:21PM -0500, Kenneth Cechura wrote:
> > i'vew heard that in all honesty mac OS X is more or less UNIX for all
> > practical purposes..... is this so?
>
> Yes
>
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: smorris@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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506. [aprssig] RE: Live Weather Data?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 23 Sep 2001 07:48:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37989-2001.09.23-08.12.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Where would you proposed putting this traffic? APRS is not the place
(the Dallas area 144.39 frequency cannot support this level of traffic).
Even 9600 bps on 440 would saturate with 4 stations (don't forget
collisions in your equations).

Those "instant" weather networks you see on TV are created by individual
TCP/IP connections to each weather server. Due to the nature of the
Internet, this is very doable because of the available bandwidth and
collision control in the TCP/IP protocol (local Ethernet connections not
included). Even with a 10 mb Ethernet connection, throughput is above 2
mbps including collisions.

Let's leave the "live" feeds on the Internet and make judicious use of
our limited bandwidth by using reasonable transmission intervals. By
the way, a ?WX? Query will cause all supporting weather stations to send
their current stats if you are that desperate to know what the weather
is at that moment.

A nice idea, but limited by bandwidth restrictions on our hobby. Maybe
setting up a 1.2 GHz or above controlled T1 network could be used...

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----
From: Glen Briggs (KB0RPJ) [mailto:wx@grundyec.net]
Posted At: Saturday, September 22, 2001 11:42 PM
Subject: [aprssig] Live Weather Data?

has anyone ever tried to feed "LIVE" weather data from a home weather
station into an amatuer network.. by LIVE i mean.. if the station
updates
the console every 2.5second.. a new wx packet is sent every 2.5seconds.

if not.. why couldn't we.. be something similar to "instant weather
networks" you see on T.V. Stations.

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507. [aprssig] Re: Live Weather Data?

From: "Russ Chadwick" <crb5@qwest.net>
Date: Sun, 23 Sep 2001 06:59:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-37992-2001.09.23-08.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Glen,

APRSWXNET is a collection of home weather stations operated by amateur radio
operators and citizen observers. You can find out more about it from,

http://www.users.qwest.net/~crb5/

However, we don't use the high data rates you mentioned below.
Instantaneous weather data is usually not as useful as data that has been
averaged to reduce the noise and atmospheric fluctuations due to turbulence.
One data packet every 5 minutes is suitable for what we're trying to do.
Our data flows to NOAA where it joins a research data stream and is
available to NWS Forecast Offices.

Russ   KB0TVJ
Boulder, CO
http://www.users.qwest.net/~crb5/

----- Original Message -----
From: Glen Briggs (KB0RPJ) <wx@grundyec.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Saturday, September 22, 2001 10:39 PM
Subject: [aprssig] Live Weather Data?

> sorry bob, i know you got this twice :)
>
>
> question..
>
>
> has anyone ever tried to feed "LIVE" weather data from a home weather
> station into an amatuer network.. by LIVE i mean.. if the station updates
> the console every 2.5second.. a new wx packet is sent every 2.5seconds.
>
>
>

>
> if not.. why couldn't we.. be something similar to "instant weather
> networks" you see on T.V. Stations.
>
>
>
> if anyone has information on a group or groups doing a similar thing..
> please contact me off list
>
>
> ---
> You are currently subscribed to aprssig as: crb5@uswest.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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508. [aprssig] UI Packet formats for Space

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Sep 2001 11:38:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38012-2001.09.23-11.02.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There has been discussion on the SAREX list about the best UNPROTO path
for use via the ISS digipeater. If I may make the following suggestion
for all space based UI digipeating so that everyone can see your packets:

1) Make your UNPROTO like this: UNPROTO CQ VIA NOCALL,GG##GG,NAME
2) Begin each typed message packet with a ">"

Here is the background behind this recommendation:

1) The Kenwood all-in-one APRS radios and APRS in general only accept
packets transmitted to everyone on the net, not to individuals. Thus
hundreds of people monitoring the downlink may not see your packets unless
they use the TOCALL of CQ, QST, BEACON, ID, APxxxx, etc.
Thus, CQ seems a good choice for this purpose.

2) The APRS format for a STATUS packet begins with a ">". If your text
begins with ">" then it will be captured and displayed on the front panel
of the Kenwood radios and also captured as a STATUS message in all APRS
software.

BOTTOM LINE AS SEEN ON A KENWOOD TH-D7 HT OR MOBILE D700:

1) If you do not use "CQ" (or other group call) then your packets are
ignored completely by these radios and by APRS in general.

2) If you do use "CQ" but not ">", then they will see your CALL only:

```
+-------------+  Will flash for 10 seconds after each packet but
| WB4APR ??   |  nothing will be captured, since there was no ">"
|  ---------- |  format character telling the radio what to do with it.
|  ---------- |
+-------------+
```

3) If you do both CQ and ">" then...

```
+-------------+  Will flash for 10 seconds after the packet and the
| WB4APR      |  first 20 chars will be captured to the STATION list.
|  Using new  |  Being captured, the message can be redisplayed at
|  HT to demo |  any time by hitting the LIST key.
+-------------+
```

4) If you really want to get fancy and send up to a 45 character message
to a Kenwood HT or 64 characters to the Mobiles, the ARISS web page, or
all of APRSdom, then begin your message with either of these two formats:

```
   :BLN1keybd:Hi everyone, this is a bulletin to all HT's
   :W3XYZ    :THis is a pt-to-pt message to only W3XYZ's mobile.
```

Notice that the BULLETIN must begin with BLN# and both examples must have
exactly 9 characters between the beginning and ending
":"s. These APRS Messages will be captured to the radio's MESSAGE list
and will BEEP the radio and TURN ON the BACKLIGHT and will flash the
mesasge 10 times. THink of it as a text pager...

I hope these formats will help everyone enjoy the UI digipeaters in space
and will let everyone see everyone.

Notice, that nothing above has anything to do with position reports. That
is another subject. If you want your POSITION to show on all APRS
systems, Kenwood radios and ARISS web page, then you must begin each
packet with [GG##GG] gridsquare.

But this is inconvenient for all keyboard operators only using a TNC.
But if we could get everyone to agree to put their GG##GG as a DIGI field
AFTER the NOCALL, in the unproto field, then I am sure that all APRS
authors will be willing to consider looking there for a grid square and
accepting that as a position for display.

Then at least the ARISS and future PCsat WEB pages would capture your
grid..

There are 3 UI DIGIPEATERS in space now: ISS, UO22 and OPAL
There are 3 others but require PSK modems: AO16, LO19, IO26
There are 2 more on the launch pad: PCsat and SAPPHIRE
There are 2 more manifested for next year

WB4APR

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509. [aprssig] Re: UI Packet formats for Space

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Sep 2001 11:56:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-38017-2001.09.23-11.21.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> There are 3 UI DIGIPEATERS in space now: ISS, UO22 and OPAL
> There are 3 others but require PSK modems: AO16, LO19, IO26
> There are 2 more on the launch pad: PCsat and SAPPHIRE
> There are 2 more manifested for next year
> + there are 18 Cubesats in work for next spring! (payloads unknwn)

Now, having said that about common UI digipeating formats consider the
following politically incorrect suggestion:

IF PCSAT works.... then.... we will have two 1200 baud UI digipeaters in
space (and ISS) that work identically except for two things:

1) They use different DIGIpeater calls (NOCALL and APRSAT)
2) They are on different frequencies

But, Consider what would happen if ISS (while in DIGIPEATER MODE) would
QSY both the UPLINK and DOWNLINK to 145.825 and would then change its
MYALIAS to the same generic MYALIAS of "APRSAT" as used on PCsat. THen we
would have the first Amateur Radio constellation of TWO satellites on the
same frequency doing the same thing. Here are the advantages:

1) Double the access times (12 per day or more)
2) Double HOP DX is possible over a 5000 mile path
3) Users make no hardare or software changes between satellites
4) UPLINKS do not interfere with any other satellites
5) Downlink is busier and may discourage central american intrlopers
   using 145.825 for terrestrial communications
6) Automatic Internet reecive sites simplified by only using one RX

Just a thought. But for certain, IAW my paper at the 1998 AMSAT
convention, I do encourage ALL SPACE UI digipeaters to consider joining us
on 145.825 so that we can take advantage of constellation flying.
Remember, they do not have to be flown in formation. APRS works just fine
with having multiple digis in view at the same time. We do it all the

time on the ground.

If it is a TNC in space, then it can digipeat. Why not use common
ALIASes, Freqs and formats...

Just a thought.
de WB4APR, Bob

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510. [aprssig] Re: APRS icons (IGATES & DIGIS)

From: "David Fraser" <zl3ai@nzart.org.nz>
Date: Sat, 22 Sep 2001 23:32:40 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38032-2001.09.23-14.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

....and what icon should be used by a ground station that listens to ISS
or PCsat and uses DIGI_NED or something similar to retransmit frames
heard there onto their local APRS frequency?

David ZL3AI.

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511. [aprssig] Re: APRS icons (IGATES & DIGIS)

From: Marinus van Opzeeland <m.vanopzeeland@chello.nl>
Date: Sun, 23 Sep 2001 22:07:42 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38034-2001.09.23-15.32.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday, September 23, 2001, at 01:32 , David Fraser wrote:

> ....and what icon should be used by a ground station that listens to ISS
> or PCsat and uses DIGI_NED or something similar to retransmit frames
> heard there onto their local APRS frequency?

A DIAMOND with an overlay S comes to mind.

Marinus, PE1LIF | marinus@mac.com

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512. [aprssig] Anyone else running RH6.2?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 23 Sep 2001 15:19:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38035-2001.09.23-15.42.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need some help, specifically a few of the system binaries to replace some
that got lunched by a lion worm.

Anyone that has an RH6.2 box and could email me a zip of a few binaries,
pls contact me in private email.
--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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513. [aprssig] Linux Satellite Tracking

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 24 Sep 2001 06:54:47 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38038-2001.09.23-16.19.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last night I set myself the challenge of getting a graphical Satellute
Tracking system running on Linux

1. Install Red Hat 6.2 Done
2. Install Predict Done (works)
3. Install Earthtrack Done (wants xearth)
4. Install xearth Ongoing

I got to the stage of type "make all" for xearth and it could not find "x
libraries"

Does this mean I have to download and install X libraries ?

I can only assume these are like DLL or include files in C.

Help would be greatly appreciated

Andrew Rich VK4TEC

Putting together a "Stable" ham radio suite

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514. [aprssig] Re: thd7ag PG-4W can someone verify the setup?

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 23 Sep 2001 20:44:22 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38041-2001.09.23-16.23.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "Robbie Robertson" <mwrobertson@home.com>
> I just checked my "homebrew" cable and this is how I wrung it
> out..
>
> This is for the PC connection and a female DB-9
> DB9 pin #3 to tip
> " " #2 to ring
> " " #5 to sleeve

Are you sure? I measured my cable and #2 goes to the tip and #3 goes to the
ring. And my cable absolutely sure works. This also corresponds with
Kenwoods documentation it you read it punctual.

> This is for the GPS male DB-9 connector..
>
> DB9 pin #2 to tip
> " " #3 to ring
> " " #5 to sleeve

My cable has a funny garmin plug, so I can't verify that...

Kind regards,

Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

515. [aprssig] Re: thd7ag PG-4W can someone verify the setup?

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 23 Sep 2001 20:33:18 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38042-2001.09.23-16.24.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Al,

Van: "Al Arnold" <aalarnold@hotmail.com>
> I having a problem with my home made pg-4w cable. i built it exactly as
> described on page 53 of the owners manual as follows:
>
> pin #5 (on the DB-9 connector) GND
> pin #3 TXD
> pin #2 RXD
>
> the stereo plug tip is TXD,middle is RXD and base is GND.
>
> it does not work with the Kenwood software or any software for that
matter.
> I heard that the info on page 53 is bunk and that i should switch pins 3
and
> 2.

Page 53 is correct as a matter of fact, but the drawing is confusing in such a way that there is a 90% change to do it wrong the first time, even experienced people. They assigned numbers and used TXD RXD and GND abbriviation but you don't connect TXD to TXD and RXD to RXD! What TXD is on the TH-D7 side is RXD on the PC side and RXD in the TH-D7 is TXD on the PC. After you finally got the cable right and re-read page 53 you will discover that it was indeed described correctly. They say 1) sould go to RXD and 1) happens to be the TIP TXD pin on the TH-D7 side.

It even makes sense afterwards that where the TH-D7 transmits the PC shall receive. I think this is one of the delusions of the human brain, it is amost guaranteed to go wrong discpite the it is actually correct. A twisted mind puzzle. Fortunatly you don't blow up the interface by this incorrect wiring, at least I never heard of any problem after swapping RXD and TXD.

While you are at it, alsoshort RTS and CTS together and also DTR, DSR and DCD at the PC side. That will make a lot of programs happy if they enabled harware flow-control. Its common to have these loopbackes for 3 wire interfaces, I have no idea why this was not mentioned in the manual.

Kind regards,

Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

516. [aprssig] Re: New Digi

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 23 Sep 2001 22:45:42 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38043-2001.09.23-16.24.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "Bob Bruninga" <bruninga@usna.edu>
> 3) A digi should not begin with a "=" since it is not manned nor can it
> recieive aprs messges

Well, this is actually too general. It applies the the installation you reacted on, but not if your digipeater is software-driven like DIGI_NED. A DIGI_NED digi can serve the mobile user with static and dynamic information like:

- Ask for infomation about the itself like who owns it, type and version and time of last boot.
- Responds to ?PING? and other generic queries
- Ask for voice repeater QRG's in the served area
- Ask for local nets ("rounds") in the served area

- Ask for frequently used local QRGs in the served area
- Ask for points of interest in the served area
- Ask for objects of hospitals, police stations, HAM stores, food chains and more in the served area.
- Ask for upcomming events in the served area.
- Query MHeard list of direct stations and receive time when last heard directly
- DX list with distance and bearing to directly heard stations and best DX over a period of time like over the last 1 hour, last 24 hours or since last boot.
- Sattelite tracking facility, upcomming pass prediction and detailed pass information applicable for the served area. Get a single response or let the digi regulary post objects during one hour. Addaptive rate, slow when not in range, detailed when in range.
- Ask for telemetry information from the station. Query all 5 analog inputs and the 8 digital inputs.
- Query Call-database of who-is information
- And much much more if left to the imagination of the user. A local user for example has an RDF connected to his digi, has an EURO calcualtor (to convert from the national currency to the upcomming Euro currency and backwards) and time.

There are also many telemetry experiments going on. We are busy with home-brew WX sensors, support will appear in the upcomming DIGI_NED release. A HAM in Germany designed a telemetry interface for this and other experiments. Look for example at his APRS Thermometer at http://www.online-club.de/~burkhard-john/aprs_interface/index.html (in German, for English click on the "union-jack" at the lefthand side of the page).

So in fact there is a lot you can send to an unmanned digi. Since the digi covers a whole area there is no need to have many stations with only limited an often incomplete information. As soon as you see the digipeater and it has messaging enabled just send it "?HELP" in it will guide the traveler through all the intersting information for him in the area. No need to hassle to find out which relays are there, where the clubs are or on what QRG to call to make contact with the locals. Never lost again in search of points of interest. Its available in the whole area surved by this digipeater and the next hop (no more!!).

Of couse this user wanted to have his Paccom Tiny2 MKII as dumb digi, I wonder if he provides any service to his users with that. Just add a cheap old 286 PC and make you Paccom Tiny2 MKII into a digipeater that is actually usefull, up to date and can serve anybody visiting your area. If the Paccom Tiny2 MKII is TNC-2 compatible the least you can do is fit it with UIDIGI software.

Kind regards,

Henk.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

517. [aprssig] Re: Linux Satellite Tracking

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 23 Sep 2001 16:30:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38045-2001.09.23-16.53.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:54 AM 9/24/01 +1000, Andrew Rich wrote:
>Last night I set myself the challenge of getting a graphical Satellute
>Tracking system running on Linux
>
>1. Install Red Hat 6.2 Done
>2. Install Predict Done (works)
>3. Install Earthtrack Done (wants xearth)
>4. Install xearth Ongoing
>
>I got to the stage of type "make all" for xearth and it could not find "x
>libraries"
>

>Does this mean I have to download and install X libraries ?
>
>I can only assume these are like DLL or include files in C.
>
>Help would be greatly appreciated

This is the only part of linux that I don't like.
The "but first" syndrome.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

518. [aprssig] Re: APRS icons (IGATES & DIGIS)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Sep 2001 17:41:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38051-2001.09.23-17.05.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 22 Sep 2001, David Fraser wrote:

> ....and what icon should be used by a ground station that listens to ISS
> or PCsat and uses DIGI_NED or something similar to retransmit frames
> heard there onto their local APRS frequency?

I would call that a SAT GATE and use the diamond with the "S" overlay...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

519. [aprssig] cheap 2m radios?

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 23 Sep 2001 18:31:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38057-2001.09.23-17.57.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone know which radios would be suitable for installation in trackers? By
this I mean they should have a short coax pig tail so that the pl259 can be
bulkhead mounted. My specific application is mounting inside an ammo can.
They should have audio available on the mic jack. The "big three" are
offering 2m rigs in the $140-$150 range.

icom 2100 has a very large heatsink, but I know that mic pin 3 is indeed
missing audio. The coax connector is nicely (nice for most applications
except mine) recessed inside the heat sink.

Yaesu 1500m?????

Kenwood's bottom of the line 2m?

Any others?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

520. [aprssig] Re: cheap 2m radios?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 23 Sep 2001 17:57:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38059-2001.09.23-18.25.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:31 PM 9/23/01, Wes Johnston wrote:

>Anyone know which radios would be suitable for installation in trackers? By
>this I mean they should have a short coax pig tail so that the pl259 can be
>bulkhead mounted. My specific application is mounting inside an ammo can.
>They should have audio available on the mic jack.

Why not use the dedicated packet port found on "most" two-meter rigs? If
you look at the FT-2600 it even has a "DB-9" connector on the back so you
can lock down the connections (which might be your concern).

I will say that the 2600 has gotten mixed reviews - it appears that some
(especially earlier) models had a tendency to lose their memory settings
when hit with wide voltage swings.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

521. [aprssig] Kodiak Star scrubbed for 0100z 24th

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Sep 2001 19:23:21 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38061-2001.09.23-18.47.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Launch for 0100z 24th scrubbed.
Launch for 0100z 25th has only 30% chance
Launch for 0100z 26th looks good for WX but has range conflict. They may
try to change launch window to resolve the conflict. Will post on Monday.

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

522. [aprssig] Re: cheap 2m radios?

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Sun, 23 Sep 2001 16:27:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38063-2001.09.23-18.54.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Big 3 ?? How about big 4.. I have several Alinco DR-140 radios in
service out here (SoCal) and find them to be very rugged and dependable
radios.. No audio at the mic jack, but that has never been a problem..
Wally N6CDJ/W6APA chairman

Wes Johnston wrote:
>
> Anyone know which radios would be suitable for installation in trackers? By

> this I mean they should have a short coax pig tail so that the pl259 can be
> bulkhead mounted. My specific application is mounting inside an ammo can.
> They should have audio available on the mic jack. The "big three" are
> offering 2m rigs in the $140-$150 range.
>
> icom 2100 has a very large heatsink, but I know that mic pin 3 is indeed
> missing audio. The coax connector is nicely (nice for most applications
> except mine) recessed inside the heat sink.
>
> Yaesu 1500m?????
>
> Kenwood's bottom of the line 2m?
>
> Any others?
>
> ---
> You are currently subscribed to aprssig as: WFOSTER@HSC.USC.EDU
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

523. [aprssig] Re: cheap 2m radios?

From: "Brian D Heaton" <bdheaton@c4i2.com>
Date: Sun, 23 Sep 2001 19:13:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38067-2001.09.23-19.37.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Motorola MCX-100? Good packets mods out on the net. They should fit well
in an ammo can and as an added bonus are available cheap

73/N5VFF

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 4:31 PM
Subject: [aprssig] cheap 2m radios?

> Anyone know which adios would be suitable for installation in trackers?
By
> this I mean they should have a short coax pig tail so that the pl259 can
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> bulkhead mounted. My specific application is mounting inside an ammo can.
> They should have audio available on the mic jack. The "big three" are
> offering 2m rigs in the $140-$150 range.
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> icom 2100 has a very large heatsink, but I know that mic pin 3 is indeed
> missing audio. The coax connector is nicely (nice for most applications
> except mine) recessed inside the heat sink.
>
> Yaesu 1500m?????
>
> Kenwood's bottom of the line 2m?
>
> Any others?
>
>
> ---
> You are currently subscribed to aprssig as: bdheaton@c4i2.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

524. [aprssig] Re: Linux Satellite Tracking

From: "Brian D Heaton" <bdheaton@c4i2.com>
Date: Sun, 23 Sep 2001 19:15:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38069-2001.09.23-19.40.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Take look at the docs. If it's running autoconf you can probably specify a
switch on the ./configure command line to where you Xlibs are...

                73/N5VFF
----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 2:54 PM
Subject: [aprssig] Linux Satellite Tracking

> Last night I set myself the challenge of getting a graphical Satellute
> Tracking system running on Linux
>
> 1. Install Red Hat 6.2   Done
> 2. Install Predict   Done (works)
> 3. Install Earthtrack   Done (wants xearth)
> 4. Install xearth   Ongoing
>
> I got to the stage of type "make all" for xearth and it could not find "x
> libraries"
>
> Does this mean I have to download and install X libraries ?
>
> I can only assume these are like DLL or include files in C.
>
> Help would be greatly appreciated
>
> Andrew Rich VK4TEC
>
> Putting together a "Stable" ham radio suite
>
>
>
>
> ---
> You are currently subscribed to aprssig as: bdheaton@c4i2.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

525. [aprssig] Re: cheap 2m radios?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 23 Sep 2001 19:18:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38070-2001.09.23-19.41.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:13 PM 9/23/01 -0600, Brian D Heaton wrote:
>Motorola MCX-100? Good packets mods out on the net. They should fit well
>in an ammo can and as an added bonus are available cheap

I've done a few of these.
Good bricks. Solid as a rock.
You can use the trunk-mount units without any control head easily, just
wire up a printer plug to select the appropriate channel.

Got one in the car for APRS, and another one going in for SSTV.
--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

526. [aprssig] Oregon Scientific WX stn

From: wa7ros@juno.com
Date: Sun, 23 Sep 2001 19:45:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38092-2001.09.23-22.06.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone had good luck using an Oregon Scientific Weather Station Model
WMR 968 with APRS? I've only used a Peet Bros Ultimeter II. But a
friend won the WMR968 and wants to sell it. Any advice??

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

527. [aprssig] VIRUS Warning - unregmp2.exe

From: "Richard Heryford" <wd6esz@hotmail.com>
Date: Sun, 23 Sep 2001 20:06:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38096-2001.09.23-22.31.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

VIRUS Warning to anybody dealing with a person by the name of

Wes Allen

I just received the virus "UNREGMP2" from Wes Allen. Warning to anybody
dealing with Wes Allen.

     Rich WD6ESZ

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

528. [aprssig] Re: cheap 2m radios?

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sun, 23 Sep 2001 23:24:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38102-2001.09.23-22.50.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the tip... is there a source for them? I'm assuming they are out
of production motorola units?

Wes

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, September 23, 2001 20:18
Subject: [aprssig] Re: cheap 2m radios?

> At 07:13 PM 9/23/01 -0600, Brian D Heaton wrote:
> >Motorola MCX-100? Good packets mods out on the net. They should fit
well
> >in an ammo can and as an added bonus are available cheap

>
> I've done a few of these.
> Good bricks. Solid as a rock.
> You can use the trunk-mount units without any control head easily, just
> wire up a printer plug to select the appropriate channel.
>
>
> Got one in the car for APRS, and another one going in for SSTV.
> --
> Dave's Engineering Page: http://www.dvanhorn.org
>
> Got a need to read Bar codes? http://www.barcodechip.com
> Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland,
with
> two or five digit supplemental codes, in an 8 pin chip, with NO external
parts.
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

529. [aprssig] Re: cheap 2m radios?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 23 Sep 2001 22:38:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38103-2001.09.23-23.02.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:24 PM 9/23/01 -0400, Wes Johnston wrote:
>Thanks for the tip... is there a source for them? I'm assuming they are out
>of production motorola units?

I grab them on ebay, at about $10-20.
I've seen them at hamfests too.
You want the models that were originally tuned to 143-ish MHz, they are so
close, there's no retuning needed.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

530. [aprssig] Re: Linux Satellite Tracking

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 24 Sep 2001 18:07:42 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38126-2001.09.24-03.32.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry Guys, I am lost

In Linux, what does a Xlibrary look like / do they have directories called
soemthing like "x11" ?

Andrew
----- Original Message -----
From: Brian D Heaton <bdheaton@c4i2.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Monday, September 24, 2001 11:15 AM

Subject: [aprssig] Re: Linux Satellite Tracking

> Take look at the docs. If it's running autoconf you can probably specify
a
> switch on the ./configure command line to where you Xlibs are...
>
>   73/N5VFF
> ----- Original Message -----
> From: "Andrew Rich" <andrew.rich@bigpond.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, September 23, 2001 2:54 PM
> Subject: [aprssig] Linux Satellite Tracking
>
>
> > Last night I set myself the challenge of getting a graphical Satellute
> > Tracking system running on Linux
> >
> > 1. Install Red Hat 6.2   Done
> > 2. Install Predict   Done (works)
> > 3. Install Earthtrack   Done (wants xearth)
> > 4. Install xearth   Ongoing
> >
> > I got to the stage of type "make all" for xearth and it could not find
"x
> > libraries"
> >
> > Does this mean I have to download and install X libraries ?
> >
> > I can only assume these are like DLL or include files in C.
> >
> > Help would be greatly appreciated
> >
> > Andrew Rich VK4TEC
> >
> > Putting together a "Stable" ham radio suite
> >
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: bdheaton@c4i2.com
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
> You are currently subscribed to aprssig as: andrew.rich@bigpond.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

531. [aprssig] 10-Meter UI-View & BEACONet^31

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Mon, 24 Sep 2001 06:47:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38139-2001.09.24-06.14.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From time to time, I send non-BEACONet email lists an update or screen
shot, simply to inform others of the work we are doing. I do my best to
not be perceived as "SPAM-ing" by limiting my posts to "only
occasionally".

Below is a note that I responded to on TAPR's BEACONet/PropNET list. It
gives folks an idea as to what we're accomplishing. All this using
UI-View (software to decode/display UI-frame packet transmissions) and
PSK31srv (software to use PSK31 modulation and a computer sound card
instead of AX.25) on the 10-meter band (with other bands "planned",
eventually).

To date, three continents are represented (N.A., S.A., Europe). Read
the message below, FYI.

Ev, W2EV
More info at: http://go.to/BEACONet
What my BEACONet station TX's: W2EV>HY0G03:[fn03xd] w2ev@arrl.net
What it means...
W2EV = me
HY0G03 = HF, 28-29MHz, No digi, 64-125 watts, 0dBi ant, ant@20-30ft
[fn03xd] = my grid locator
w2ev@arrl.net = how to reach me, if you hear me

- -

Using BEACONet^31 (PSK31 based BEACONet on 28.131 MHz) from N2VRJ on the
Gulf Coast of Florida:

> 2001-September-24 05:42 7 stations
> ----------------------------------
> Callsign Type   Latitude   Longitude   Km Bearing Last Heard
> -------- ----   --------   ---------   -- ------- ----------
> N2VRJ* Grid Squ.   [EL86TX]   0.0   0   Sep 24 05:40
> WD4RBX* Grid Squ.   [EM84NM]   836.7 357   Sep 23 19:11
> N7YG*   Grid Squ.   [DM42NF]   2810.1 289   Sep 23 18:36
> W3NRG* Grid Squ.   [DM12JQ]   3406.9 289   Sep 23 17:36
> K7IP*   Grid Squ.   [CN87SW]   4169.8 315   Sep 23 16:22
> +KU5W*   Grid Squ.   [EM54UV]   1042.6 329   Sep 23 15:30
> F8BNN* Grid Squ.   [JN39EC]   7705.4   45   Sep 23 12:18

Isn't it interesting how we seem to be transitioning to a more East-West
propagation at the Autumn equinox? Not much heard from Argentina
lately...nor quite as much from northern tier states.

Likewise, yesterday I caught N7YG and N3NRG from my location in NY, but
no one else. Why no K7IP or F8BBN for me? Maybes because the A-Index
is 20 (probably some aurora north of 45-degrees latitude, absorbing
those paths for me).

Fascinating, no? :o)
Ev, W2EV

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532. [aprssig] [amsat-bb] PCsat Launch on TV

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Sep 2001 19:36:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38144-2001.09.24-07.17.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NASA Select TV is carrying the launch.
Weather still looks good with 90% but there is a downrange problem with a
radar. Count continues now with 1.5 hours to go. If radar is not fixed,
then there will be a hold at T-1 hoooour until it is fixed.

The launch window is 2 hour wide.
Time is now 1940 EDT (2340z)

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

----
Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org

---
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533. [aprssig] Re: Linux Satellite Tracking

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Mon, 24 Sep 2001 07:31:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38147-2001.09.24-07.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>In Linux, what does a Xlibrary look like / do they have directories called
>soemthing like "x11" ?

The XFree86 project at http://www.xfree86.org, is the creator of the X-windows distribution for linux. Most packaging of X-windows puts the associated files into the directory tree rooted at /usr/X11R6. If you have installed Redhat and many of the other distributions, most always install X-windows, but perhaps not the X-windows 'development' packages. In RedHat distributions, these packages are typically in an RPM (redhat package manager) file that has '-dev' in the file name. So if you look at your Redhat installation CD and find that there are files that match the pattern X11*dev*rpm, those would be the ones that need to be installed to have the static X-11 libraries and the header files etc.

So, check for the above directory, and check for the above RPM files. If you find the directory, and you find the above RPMS, you can always do

```
rpm -i X11*dev*rpm
```

in the directory where the rpm files are, and rpm will tell you if you already have those packages installed, or if there are dependencies that also need to be installed. If everything is installed and the package still won't build, I'd say that the configuration of the package your are trying to build is non-standard, and you'll need to find a readme or a website or mailing list that has specific instructions on configuring that package.

---
gregg@c2-tech.com (C2 Technologies Inc)

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534. [aprssig] Greeno Hill Digi

From: "James Fuller" <n7vmr@fuller.net>
Date: Mon, 24 Sep 2001 09:02:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ddobbins@localaccess.com>
Message-ID: <LYR842-38168-2001.09.24-10.26.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

To let you all know, I have the Greeno Hill Digi up and running thanks to your assistance.

Bob, I appreciate the input on the BT and Unproto settings.

I will need to upgrade the firmware, thanks to John:-) This will make it operate with all the digi
features.

For those who may be interested, the Site specifics are:

Lat is 45 32' 13"
Lon is 108 38' 26"
Power is 5 watts
HAAT is 1300 Ft
Elevation is 4575 Ft
Antenna is 9DB

Unproto is set at WIDE,WIDE
BText is !4532.22N/10838.44W#PGH2790 / N&VMR-10 GREENO HILL N7VMR@ARRL.NET
Becon Every is 90 (about 15 min.)
MYCall is N7VMR-10
MYAlias is WIDE

Jim Fuller

N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

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535. [aprssig] Re: What are these packets?

From: "hasan schiers" <schiers@netins.net>
Date: Mon, 24 Sep 2001 12:13:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38190-2001.09.24-12.37.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What you are seeing is the remote weather station at ki0bw-5 in Arkansas or
Missouri (can't recall now), being retransmitted from the Internet feed,
locally in central Iowa at the request of Rod, KI0BW in Des Moines. There is
nothing wrong...the system is working EXACTLY as it was designed

It was requested many months ago...and has been going on for many months.
You are correct, the IGATE is gating all reports from the remote weather
station ki0bw-5 from the internet to the local 2m RF network. It is quite
normal behavior....and was set up specifically do exactly what it is doing.

73,

...hasan
----- Original Message -----
From: "James Jefferson" <jjeffers@deskmedia.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 01, 2001 10:58 PM
Subject: [aprssig] What are these packets?

> Can somebody please help me figure out what these packets are and what
> produces them. As two people were APRS chatting this evening I saw
> dozens of packets like this go by:
>
>
N0AN>APS200,KI0BW-4,KB0JBF-1,WIDE*:}KI0BW-5>APRS,TCPIP,N0AN*:!!000000D902ED0
406----------------00F
>
> It appears that an IGATE is attempting to gate the message to RF. Is
> that right? Is the IGATE misconfigured or is this normal behavior.
>
> -Jim Jefferson KB0THN
>

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536. [aprssig] Re: cheap 2m radios?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 24 Sep 2001 10:34:10 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38194-2001.09.24-12.58.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 23 Sep 2001, Wes Johnston wrote:

> Anyone know which radios would be suitable for installation in trackers? By
> this I mean they should have a short coax pig tail so that the pl259 can be
> bulkhead mounted. My specific application is mounting inside an ammo can.
> They should have audio available on the mic jack. The "big three" are
> offering 2m rigs in the $140-$150 range.

> Kenwood's bottom of the line 2m?

The TM-261A fits perfectly in a 50 caliber ammo can. I have mine
mounted vertically. TinyTrak-II completes the installation.

I did not bulkhead mount the PL-259 connector. I would think you'd
need to chop it off and hook on a real bulkhead connector to do the
job properly.

Available on the microphone jack is unsquelched audio (100mV/10
kohm), so if your TNC doesn't have true-DCD detect, then you'd better
leave this line disconnected. I pull audio off the speaker jack for
this reason.

Also be careful of the 8V available on the mic connector. I pruned
back the lines I didn't need when I made my APRS cable but didn't
heatshrink those lines. I eventually ended up shorting the 8V to
some other line in the cable. This fried a trace on the front panel
PCB and disabled most functions of the microphone that comes with the
unit. After repairing the trace and adding a through-hole resistor
to replace a S/M one, the mic worked again. Seems the mic needs
power to work AT ALL.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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537. [aprssig] Re: cheap 2m radios?

From: "Ken Patterson" <kenp@etex.net>
Date: Mon, 24 Sep 2001 17:54:55 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38195-2001.09.24-13.21.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree....it's hard to beat the Kenwood TM-261A for a non-commercial
antenna site.

We used several TM-261As and KPC-3+s for the digipeater network in & around
the Sao Paulo Brazil area. No major problems.

I am using one here in East Texas as a backyard digi. I like the 5, 10 & 50
watt settings & the controls -lock- function.

Also, loss of DC power does not cause any changes. The radio comes back to
exactly where it was before loss of power.

The KPC-3+ wires directly to the RJ-45 mic connector. No additional wires,
except for DC power & antenna.

I made sure the 8VDC on the mic connector could not short to another wire
inside a RJ-45 to DB-9 adapter I used at the KPC-3+.

I also keep the KPC-3+ separated from the TM-261A horizontally by at least 4
inches per the recommendation of Buck at
http://www.packetradio.com/primer.htm

Hope this helps with your selection process.

de Ken, N5EQT
EM22

----- Original Message -----
From: Curt Mills, WE7U <hacker@tc.fluke.com>
To: TAPR APRS Special Interest Group <aprssig>
Cc: TAPR APRS Special Interest Group <aprssig>
Sent: Monday, September 24, 2001 18:34
Subject: [aprssig] Re: cheap 2m radios?

> On Sun, 23 Sep 2001, Wes Johnston wrote:
>
> > Anyone know which radios would be suitable for installation in trackers?
By
> > this I mean they should have a short coax pig tail so that the pl259 can
be
> > bulkhead mounted. My specific application is mounting inside an ammo

can.
> > They should have audio available on the mic jack. The "big three" are
> > offering 2m rigs in the $140-$150 range.
>
> > Kenwood's bottom of the line 2m?
>
> The TM-261A fits perfectly in a 50 caliber ammo can. I have mine
> mounted vertically. TinyTrak-II completes the installation.
>
> I did not bulkhead mount the PL-259 connector. I would think you'd
> need to chop it off and hook on a real bulkhead connector to do the
> job properly.
>
> Available on the microphone jack is unsquelched audio (100mV/10
> kohm), so if your TNC doesn't have true-DCD detect, then you'd better
> leave this line disconnected. I pull audio off the speaker jack for
> this reason.
>
> Also be careful of the 8V available on the mic connector. I pruned
> back the lines I didn't need when I made my APRS cable but didn't
> heatshrink those lines. I eventually ended up shorting the 8V to
> some other line in the cable. This fried a trace on the front panel
> PCB and disabled most functions of the microphone that comes with the
> unit. After repairing the trace and adding a through-hole resistor
> to replace a S/M one, the mic worked again. Seems the mic needs
> power to work AT ALL.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
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538. [aprssig] Kodiak Star delayed again.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Sep 2001 14:00:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38198-2001.09.24-13.25.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Kodiak Star launch is on a day-to-day hold for the next few days.

On Sunday, a solar wind disturbance between 0900z and 1300z triggered
a geomagnetic storm. Particle levels are 1000 times higher than normal
and until this subsides, the launch is on hold.

Launch site weather at Kodiak, AK is improving, and the radar problem of
Saturday is fixed. Launch window remains at 0100z daily, but we will
NOT make any more postings until everything is GO. Launch Preps take 8
hours, so you should get that much notice usually by 1700z the day before.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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539. [aprssig] Re: Kodiak Star delayed again.

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 24 Sep 2001 13:13:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38199-2001.09.24-13.36.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:00 PM 9/24/01 -0400, Bob Bruninga wrote:
>The Kodiak Star launch is on a day-to-day hold for the next few days.
>
>On Sunday, a solar wind disturbance between 0900z and 1300z triggered
>a geomagnetic storm. Particle levels are 1000 times higher than normal
>and until this subsides, the launch is on hold.

It's always something. :)

Hang in there bob!

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

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540. [aprssig] Re: cheap 2m radios?

From: WA8LMF2@aol.com
Date: Mon, 24 Sep 2001 14:12:01 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-38200-2001.09.24-13.37.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/23/2001 3:34:04 PM Pacific Daylight Time,
wes@johnston.net writes:

> Yaesu 1500m?????
>

Currently these are on special at AES and elsewhere for less than $140.
This radio has a 6-pin mini-DIN "packet" connector on the rear that not only
provides TX and fixed level RX audio, it also provides an actual logic-level
squelch output that follows the state of the receiver squelch that is perfect
for feeding into the CD of a TT or such.

4 power levels ranging from 1 to 50W are memorizable along with the frequency
on memory channels.

Also this radio has a unique mounting technique. Instead of the usual
trunion bracket that screws into both sides of the radio, a pair of longish
bolts inserts all the way through the thickness of the radio from top to
bottom (or vice versa). You could bolt the radio directly to the sidewall of
an ammo can with the front panel looking up at you and no space wasting
mounting bracket at all.

I have bolted one this way flat onto a 7" piece of rack panel for a APRS
installation at a fixed site and it works very nicely.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
---

|
| Radio Communications Systems   Personal Computers
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```

541. [aprssig] Disposing of Embeded Single Board Computers

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 24 Sep 2001 15:39:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38213-2001.09.24-15.04.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

As Jeff mentioned at DCC, the company I work for has taken a
significant quantity of single board computers in payment. As a
result, I was told to 'get rid of them' to turn the cash.

No, unfortunately 'get rid of them' doesn't mean donating them to
all the TAPR and APRS people for less than $10.

But it doesn't mean a bad deal either.

Before I dump these as a 'batch', I figured if anyone here wants
one, they can have it for $75 (with two 8Meg EDO memory sticks). I
have well over 100 of them 'bulk packed' in sealed boxes from Lanner.

These are EM-520 single board computers. The specs are available
on the web, including tech sheets, manuals, and drivers. But
basically these are MediaGX boards with GXi 180 processors. They
have 4 com ports, 2 USB, floppy and IDE, VGA, sound, and a network
(10bt) built in. They have a PC-104 connector for both 8-bit and
16-bit, one ISA slot (actually custom), and two memory slots (with
16Meg total of EDO ram provided.) They support the Disk On Chip
from M-Systems, but I haven't tested that at all.

The EM-520 boards you find on the web for sale also include TV
output. I want to make it very clear these boards were a CUSTOM
BUILD and do NOT have TV output.

The board takes a standard PC-AT type power supply but with a PS/2
pin style header.

One other point. These boards only have ONE IDE port.

Now for the caveats. These boards use standard connectors for the
floppy, IDE, and LPT. The other connectors are all 2mm headers.
The 4 comm ports are on a single dual row 50 pin header. The VGA,
USB, Sound, Keyboard, Mouse and such are on two female 2mm dual row
44 pin sockets. (There is an LCD panel interface as well, on a
44pin dual row pin header.)

Finally, these boards ARE discontinued. While still being sold on
the web, cables and interfaces are becoming hard to find.

I've gotten one of the boards up with Red Hat 5.2 as a very basic
straight install, but I have not tried to get other than 'generic
VGA' working. Or network or USB.

I did a quick install of WIN95 just to try it, but only added the
VGA driver.

Most of my 'playing' was to get WIN98 up. Which detected and ran
the network and USB 'almost' automatically. And with a decent VGA
driver as well.

I feel these boards would make really neat little baseboards for
tracker construction, or other APRS type projects. And while they
would normally be out of the reach of most HAMs at over $500, now
they can be VERY affordable.

If anyone is interested in one of these boards, contact me direct
at mike_em@insydesw.com, NOT on the list, and I'll provide more
details.

Mike Yetsko
N1DVJ

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542. [aprssig] Re: Linux Satellite Tracking

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Mon, 24 Sep 2001 21:43:28 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38214-2001.09.24-15.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "David VanHorn" <dvanhorn@cedar.net>
>
> This is the only part of linux that I don't like.
> The "but first" syndrome.

This is not Linux specific, this also applies when you want to compile
something on Windows or Mac for example. There you first have to get a $$$
C++ compiler and multi-megabyte development environment plus SDK's, DDK's or
whatever.

What you actually want is a binary distribution. For main-stream packages
these do exist (www.rpmfind.net), but maybe not for what you are looking
for. At least you can get all the parts you need to compile it anyway
without paying a awfull lot of money to a very big software company near
Seattle.

Kind regards,

Henk.

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543. [aprssig] Duplexer needed

From: Wayne Willenberg <willenberg@fr.com>
Date: Mon, 24 Sep 2001 16:22:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38228-2001.09.24-15.54.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have an opportunity to fill a large void in the APRS coverage in
the Twin Cities. The opportunity comes from an organization called
TwinsLAN --they are going to be putting up a 2 meter repeater and
would be willing to also put up an APRS digipeater if we can find a
suitable duplexer. Any leads to a used duplexer or information on the
cost of a new duplexer would be appreciated. 73, Wayne KK6BT

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544. [aprssig] D700 Mic Jack

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Sep 2001 16:43:51 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38229-2001.09.24-16.08.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THose of you with experience on the RJ-45 DATA connectors and RJ-45
Microphone connectors might offer me some advice.

I have found a way to use a single 8 pin cable of any length connected to
the DB9 on the D700 as a complete satellite control station inteface.
Thus I can put the D7 and a ROTATOR on the roof (with an AC cord), and run
ANY length of the flat 8 conductor cable down inside a building for
remote radio operations including rotator control.

Since I use the RS-232 to RJ-45 adapters at each end, this means that the
entire run to the roof will just be a flat cable with RJ45's on each end

(Easy also to push through cracks under alarmed fire-doors...) and also
then I can extend the cable with more RJ-45 hardware. Questions:

I think RJ-45 DATA cables are sexed? meaning 1=8 and 8=1? on opposite
ends? THus you cannot use "extenders" unless the extender is also a
gender bender? or is it the other way around?

What about the HAM radios that all now have RJ-45's for their microphones?
Are they sexed or straight through?

I fear the worst, that they are both different, making it hard to ever use
"random" cables interchangably.

To spare the rest of the sig from the responses, please respond in
private and I will post a summary of responses. Thanks

Bob, WB4APR

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545. [aprssig] Re: Audrey

From: "Jeff King" <transit_man@hotmail.com>
Date: Mon, 24 Sep 2001 20:54:15 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38230-2001.09.24-16.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A few people asked me where I got the little display screen I had at
the DCC (which prior to this Wes Johnson had told me about). This is
the Audrey which is a internet appliance that is a
little more flexable then the I-opener. For example, with the USB to
ethernet converter you can use it as a generic web browser on you
network

>   Where can I purchase an Audrey? Lost the link you gave me.

http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=M975-9000%20P

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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546. [aprssig] Re: Duplexer needed

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Sep 2001 17:09:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38234-2001.09.24-16.35.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just make sure it is a 146 or 147 MHz repeater and not a 145 MHz one. The
amount of filtering is an order of magnitude easier... Or saying it
another way, 144.39 just cannot co-exist with a 145 MHz (-600) repeater.
The rolloff of the lower end of receiver cavities for 145 MHz repeaters
offers hardly any protection from 144.39

bob
On Mon, 24 Sep 2001, Wayne Willenberg wrote:

> We have an opportunity to fill a large void in the APRS coverage in
> the Twin Cities. The opportunity comes from an organization called
> TwinsLAN --they are going to be putting up a 2 meter repeater and
> would be willing to also put up an APRS digipeater if we can find a
> suitable duplexer. Any leads to a used duplexer or information on the
> cost of a new duplexer would be appreciated. 73, Wayne KK6BT
>
> ---

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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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547. [aprssig] Re: Audrey

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Mon, 24 Sep 2001 17:10:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38235-2001.09.24-16.36.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I now have the audrey serving web pages to other PCs in the house (no real function yet, but cool), I have mounted a win98 shared folder, have MP3's playing, an on screen keyboard, and a unix shell with root privs. neat neat toy. Since it is x86 compatible, I hope to have aprs running on it RSN.

Wes

----- Original Message -----
From: "Jeff King" <transit_man@hotmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 24, 2001 16:54
Subject: [aprssig] Re: Audrey

> A few people asked me where I got the little display screen I had at
> the DCC (which prior to this Wes Johnson had told me about). This is
> the Audrey which is a internet appliance that is a
> little more flexable then the I-opener. For example, with the USB to
> ethernet converter you can use it as a generic web browser on you
> network
>
> >   Where can I purchase an Audrey? Lost the link you gave me.
>
>
http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=M97
5-9000%20P
>
>
>
> ____
> Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp
>
>
> ---
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>

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548. [aprssig] Re: Duplexer needed

From: Jeff King <jeff@aerodata.net>
Date: Mon, 24 Sep 2001 18:52:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-38265-2001.09.24-18.18.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wayne Willenberg wrote:
>
> We have an opportunity to fill a large void in the APRS coverage in
> the Twin Cities. The opportunity comes from an organization called
> TwinsLAN --they are going to be putting up a 2 meter repeater and
> would be willing to also put up an APRS digipeater if we can find a
> suitable duplexer. Any leads to a used duplexer or information on the
> cost of a new duplexer would be appreciated. 73, Wayne KK6BT

A duplexer would be more then you need, you really just need a pass/
reject cavity. A typically duplexer consists of two pass elements and
two reject elements (4 can). But that is because they are duplex on
two frequencies, you are not. You should be able to get away with
one pass and one reject element.

You would tune the pass to 144.39 and the reject to the input of their
repeater (to be nice to them) or you could have two rejects on it, tune
one to there output (to protect your RX) and the other to there input.

You also want to use a decent rig, many of the PLL radios have a significant
amount of hash on TX. Maybe a good commercial grade xtal rig on 144.39.

We have a NOS system on 144.93 and 147.56 collocated with a two meter
repeater on 146.16/146.76 (-600) and not had to many problems.

One thing you didn't say is if your trying to share the same antenna with them?
That would make things much tougher, although it has been done. If you have
separate antennas, try and get as much vertical separation between them as
possible.

Good luck

Jeff

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549. [aprssig] Tiny Trak II + IGATE and misc.

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Mon, 24 Sep 2001 19:12:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38274-2001.09.24-18.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got a Tiny Trak II in the mail. Any hints on using it, especially the
PTT setup for an Icom IC-2GAT 2 meter handheld? Also, I was thinking of
reversing send and receive on the DB9 so the GPS was a "normal" plug and the
computer a null modem.
Thanks,
Joe
PS - Are all the IGATES down around Annapolis/Kent Island? I couldn't get on
FINDU Sunday. Another question: Anyone ever deal with the surplus high power
radios from Buxcom?

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550. [aprssig] Re: Operating Systems

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 24 Sep 2001 18:52:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38292-2001.09.24-21.17.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Sep 23, 2001 at 11:17:36AM +1000, Andrew Rich wrote:
> Gents,
>
> I dunno about you but I am fed up with re-builds, resets and Viruses.
>
> I had WIN98 and Linux.

>
> Linux is stable, but cant seem to find a satellite tracking program for
> linux.
>
> All I want to do is surf the web, e-mail, APRS and track satellites.
>
> I keep getting let down with virus attacks, windows lockups, and resets.
>
> We use UNIX at work....reset NEVER in 12 months.
>
> Hummmm...
>
> Thoughts / comments ?
>

http://radio.linux.org.au lists several satellite tracking programs.
For a Linux APRS program, take a look at Xastir at http://www.xastir.org
(the development version available with CVS have many new features).

Bob, N7XY

--
Bob Nielsen, N7XY   nielsen@oz.net
Bainbridge Island, WA   http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

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551. [aprssig] Re: Linux Satellite Tracking

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 24 Sep 2001 19:03:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38293-2001.09.24-21.28.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Sep 24, 2001 at 06:07:42PM +1000, Andrew Rich wrote:
> Sorry Guys, I am lost
>
> In Linux, what does a Xlibrary look like / do they have directories called
> soemthing like "x11" ?

It possibly varies a bit according to the distribution used, but mine
are in /usr/X11R6/lib/

(This thread is getting way off-topic for the APRSSIG list. There is a
linux mailing list at tapr.org. Most Linux distributions have support
lists which would be more appropriate for this type of question).

Bob N7XY

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552. [aprssig] Re: Linux Satellite Tracking

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Tue, 25 Sep 2001 18:23:54 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38345-2001.09.25-03.50.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I got it working !

I had to set a path flag for the xlib's !

I now have a 1600 x 1200 globe under linux, with Predict as the engine

Many thanks to all who helped !

Andrew VK4TEC

----- Original Message -----
From: Bob Nielsen <nielsen@oz.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, September 25, 2001 12:03 PM

Subject: [aprssig] Re: Linux Satellite Tracking

> On Mon, Sep 24, 2001 at 06:07:42PM +1000, Andrew Rich wrote:
> > Sorry Guys, I am lost
> >
> > In Linux, what does a Xlibrary look like / do they have directories
called
> > soemthing like "x11" ?
>
> It possibly varies a bit according to the distribution used, but mine
> are in /usr/X11R6/lib/
>
> (This thread is getting way off-topic for the APRSSIG list. There is a
> linux mailing list at tapr.org. Most Linux distributions have support
> lists which would be more appropriate for this type of question).
>
> Bob N7XY
>
> ---
> You are currently subscribed to aprssig as: andrew.rich@bigpond.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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553. [aprssig] Map conversion software

From: "Arnold 'Arnie' Johnson" <arniej@gis.net>
Date: Tue, 25 Sep 2001 06:29:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38352-2001.09.25-05.54.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mike & others on the SIG,

I have just recently added a Palm M105 to my computer "bag", along with the
Win programs including CE, and have been running your great program on it
(will register shortly). The map(s) I have found for my part of the country
(SW New Hampshire) leave a lot to be desired for detail. I know there are
more detailed maps available, but I have been unable to get the APRS
software to recognize them. Is there some software available to convert
maps to the proper format that the PalmAPRS software will recognize, or how
difficult is it to convert present maps to the Palm? I will be happy to
share if I can make/convert new maps.

Thanks,

Arnie Johnson, N1BAC

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554. [aprssig] Re: Amateur Radio at WTC relief effort

From: Mark Dieterich <n2pgd@arrl.net>
Date: Tue, 25 Sep 2001 10:39:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38394-2001.09.25-10.04.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

> >APRS at shelters huh? Not that I know about. I'm KC2ENI the net controller
> >for the "event". We haven't sanctioned the use of data in this operation.
> >
> >Many of the sites we are involved in are secure area's whose locations are
> >to remain anonymous. APRS would betray that anonymity.
>
> Position information is such a minimal part of what APRS provides... It's a

> tactical platform, not a report your position protocol!

I'd like to open up a discussion about this. I just returned from 10 days down in the NYC area and know that there were serious issues with APRS being run at sensitive areas. Because the position of the stations was transmitted out over the air and then cataloged via findu.com, senstive information was released to the world. I presume that no harm was meant, but it is important to think of potential consequences before acting and to confirm with those in charge before setting up a station.

I stand firm behind APRS and operate it constantly when I'm home, however, my car tracker was turned off while I was down in NYC to ensure I did not inadvertantly transmit any sensitive data. I believe that APRS can play an important role in disaster relief work, but I think we need to be careful about how it is used. I see a couple of needs, perhaps they are already met...

1. We need some way to turn off igate funcationality during a disaster. It's important to keep some of this information away from the internet. Perhaps an easy way to do this is run APRS disaster communcations on a different frequency.

2. We need some way to stop certain sites transmitting position data. They can still use APRS to send/receive messages and monitor other stations, we must be sure they don't transmit position data.

All in all, I think the amateur radio community received a lot of good press. We received many letters, emails, and personal compliments from other people working on the relief effort.

I'm sorry if I've stepped on any toes over this issue.

73,

Mark

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555. [aprssig] Re: D700 Mic Jack

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 25 Sep 2001 10:41:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38398-2001.09.25-10.06.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rj45 data (network patch) cables are not sexed.... they are straight thru (unless you have what they call a crossover). The pairs are kinda screwy... 1 and 2 , 3 and 6, 4 and 5, and 7 an 8. problem is cat3 or cat 5 cable is round.... telco cable is flat, and they can be either way, straight thru or "flipped", you just have to check.

Wes
----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Monday, September 24, 2001 16:43
Subject: [aprssig] D700 Mic Jack

> THose of you with experience on the RJ-45 DATA connectors and RJ-45
> Microphone connectors might offer me some advice.
>
> I have found a way to use a single 8 pin cable of any length connected to
> the DB9 on the D700 as a complete satellite control station inteface.
> Thus I can put the D7 and a ROTATOR on the roof (with an AC cord), and run
> ANY length of the flat 8 conductor cable down inside a building for
> remote radio operations including rotator control.
>
> Since I use the RS-232 to RJ-45 adapters at each end, this means that the
> entire run to the roof will just be a flat cable with RJ45's on each end
> (Easy also to push through cracks under alarmed fire-doors...) and also
> then I can extend the cable with more RJ-45 hardware. Questions:
>
> I think RJ-45 DATA cables are sexed? meaning 1=8 and 8=1? on opposite
> ends? THus you cannot use "extenders" unless the extender is also a
> gender bender? or is it the other way around?
>
> What about the HAM radios that all now have RJ-45's for their microphones?

> Are they sexed or straight through?
>
> I fear the worst, that they are both different, making it hard to ever use
> "random" cables interchangably.
>
> To spare the rest of the sig from the responses, please respond in
> private and I will post a summary of responses. Thanks
>
> Bob, WB4APR
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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556. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 25 Sep 2001 10:51:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38401-2001.09.25-10.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm sorry... While I understand the need and desire, I really think it
is
foolish to try to limit any forwarding of any data to the internet.

Why?

"There is no security other than the realization that there is no
security"

Bottom line... If you don't want the data there, don't generate it in
the
first place. If you transmit ANY DATA AT ALL, you need to ASSUME
that it could be picked up and go to all kinds of places you may not
want it to go.

Just SAYING it won't get there, or the old argument that "I don't want
MY
data there" is silly. If someone wants that data, they can get it. So
you
don't put it in the open in the first place.

So, if the data is important, then consider what you really need, and
how
you intend to 'transfer' it, and always keep in mind that it's like
shouting
across an open room. Or if you take steps like speaking normally. Or
even whispering in your friends ear. But ALWAYS keep in mind that
conversations can be overheard, even whispers. Don't EVER be so
foolish as to think that a rule or a configuration of software will
provide
ANY security at all.

Mike

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557. [aprssig] Re: D700 Mic Jack

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 25 Sep 2001 10:55:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Also... There are TWO standards for RJ-45 'data'. The pin pairs you gave I think are 385a or something. There's also a 385b that is different,
but I don't have a manual in front of me. I know I got burnt when I bought
some RJ-45 jacks that had the wiring scheme on the back, and it was the 'wrong' one for ethernet. Hmm, I wonder... It may just be the pairs
used, and if you have a full 4-pair it may not matter. I'd have to look...

Mike

----- Original Message -----
From: Wes Johnston <wes@johnston.net>

> Rj45 data (network patch) cables are not sexed.... they are straight thru
> (unless you have what they call a crossover). The pairs are kinda screwy...
> 1 and 2 , 3 and 6, 4 and 5, and 7 an 8. problem is cat3 or cat 5 cable is
> round.... telco cable is flat, and they can be either way, straight thru or
> "flipped", you just have to check.
>
> Wes
> ----- Original Message -----
> From: Bob Bruninga <bruninga@usna.edu>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Monday, September 24, 2001 16:43
> Subject: [aprssig] D700 Mic Jack
>
>
> > THose of you with experience on the RJ-45 DATA connectors and RJ-45
> > Microphone connectors might offer me some advice.
> >
> > I have found a way to use a single 8 pin cable of any length connected to
> > the DB9 on the D700 as a complete satellite control station inteface.
> > Thus I can put the D7 and a ROTATOR on the roof (with an AC cord), and run
> > ANY length of the flat 8 conductor cable down inside a building for
> > remote radio operations including rotator control.
> >
> > Since I use the RS-232 to RJ-45 adapters at each end, this means that the
> > entire run to the roof will just be a flat cable with RJ45's on each end
> > (Easy also to push through cracks under alarmed fire-doors...) and also
> > then I can extend the cable with more RJ-45 hardware. Questions:
> >
> > I think RJ-45 DATA cables are sexed? meaning 1=8 and 8=1? on opposite
> > ends? THus you cannot use "extenders" unless the extender is also a
> > gender bender? or is it the other way around?
> >
> > What about the HAM radios that all now have RJ-45's for their microphones?
> > Are they sexed or straight through?
> >
> > I fear the worst, that they are both different, making it hard to ever use
> > "random" cables interchangably.
> >
> > To spare the rest of the sig from the responses, please respond in
> > private and I will post a summary of responses. Thanks
> >
> > Bob, WB4APR
> >
> >
> >
> > ---
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> > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
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> >
>
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

558. [aprssig] Re: Amateur Radio at WTC relief effort

From: "R. Wittner" <rmw@rwa-inc.com>
Date: Tue, 25 Sep 2001 11:04:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38408-2001.09.25-10.29.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Uh oh... I sense a conflagration is about to begin, so I'll say this and be
gone.

I thought that if the string "x-no-ar" appeared in a packet, findu would not
archive it. This doesn't stop it from entering the 'net via an I-gate, so
if anyone is passively archiving packets from the stream, this won't help.

Although APRS/CE represents a minority of APRS stations right now, I can say
for sure that there's a little checkbox in the Position settings dialog
labeled "Transmit Position Reports" - if it's unchecked, no posits go out
over the airwaves or to the 'net.

   -Rob
    KZ5RW

-----Original Message-----

<SNIP>

"There is no security other than the realization that there is no
security"

</SNIP>

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559. [aprssig] Re: Amateur Radio at WTC relief effort

From: Mark Dieterich <mkd@cs.brown.edu>
Date: Tue, 25 Sep 2001 11:54:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38424-2001.09.25-11.20.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

> Uh oh... I sense a conflagration is about to begin, so I'll say this and be
> gone.

I really don't want to start a shouting match here, instead I'm hoping to start
a constructive discussion. We now have some "data" from a real life disaster
and we should discuss what works/doesn't work with the current system.

> I thought that if the string "x-no-ar" appeared in a packet, findu would not

> archive it. This doesn't stop it from entering the 'net via an I-gate, so
> if anyone is passively archiving packets from the stream, this won't help.

How does one add something like this to the packet?

> Although APRS/CE represents a minority of APRS stations right now, I can say
> for sure that there's a little checkbox in the Position settings dialog
> labeled "Transmit Position Reports" - if it's unchecked, no posits go out
> over the airwaves or to the 'net.

I'll have to look at the linux and windows version to see if there is something
similar.

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560. [aprssig] Re: Amateur Radio at WTC relief effort

From: "R. Wittner" <rmw@rwa-inc.com>
Date: Tue, 25 Sep 2001 12:03:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38427-2001.09.25-11.28.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,

Sorry, that was said a bit tongue-in-cheek. I don't want a shouting match,
either, but this issue tends to push a lot of buttons for many people. To
be sure, it is an important issue worth discussing.

You could put x-no-ar in the comments field of a position, and anywhere in
your status packet. I believe that findu does a search of the entire packet
for "x-no-ar" (case insensitive, I hope) and then discards the packet if it
is found.

73,

   -Rob
    KZ5RW

-----Original Message-----
From: Mark Dieterich
Sent: Tuesday, September 25, 2001 11:55 AM

Folks,

> Uh oh... I sense a conflagration is about to begin, so I'll say this and
be
> gone.

I really don't want to start a shouting match here, instead I'm hoping to
start
a constructive discussion. We now have some "data" from a real life
disaster
and we should discuss what works/doesn't work with the current system.

> I thought that if the string "x-no-ar" appeared in a packet, findu would
not
> archive it. This doesn't stop it from entering the 'net via an I-gate, so
> if anyone is passively archiving packets from the stream, this won't help.

How does one add something like this to the packet?

> Although APRS/CE represents a minority of APRS stations right now, I can
say
> for sure that there's a little checkbox in the Position settings dialog
> labeled "Transmit Position Reports" - if it's unchecked, no posits go out
> over the airwaves or to the 'net.

I'll have to look at the linux and windows version to see if there is
something
similar.

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561. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 25 Sep 2001 09:09:22 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38430-2001.09.25-11.34.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Sep 2001, Mark Dieterich wrote:

> I'll have to look at the linux and windows version to see if there is something
> similar.

As for Xastir, there'll be something similar in a few minutes...
CVS version.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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562. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 16:20:12 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38432-2001.09.25-11.44.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It was written:

>I'm sorry... While I understand the need and desire, I really think it
>is
>foolish to try to limit any forwarding of any data to the internet.

>Why?

>"There is no security other than the realization that there is no
>security"

Yes, that point has been well proven.

However what Mark D. and on 9/14 John Leonard *I think* were trying to
suggest
is we both need to consider the consequences of our own actions as
well as the system as a whole. Yes, anyone anywhere can do whatever
they want, but just because this is true, it doesn't negate the points
that where being raised nor absolve someone of personal responsibility,
even if what they are doing is "legal" today. You can have a honor code
without it being a FCC regulation.

What really bothers me however is it seems almost every time these voices of
thought are raised they are beaten down on the APRSSIG without any
exploration of the points they raise. This issue really
is not as simple as it might seem. Moving amateur radio
data out of amateur radio on a wholesale basis, 1000's of linked
receivers, public real-time internet databases and other things are all new
paradigms for
amateur radio that have just happened in the last 5 years. To not even
explore the implications of this, in my opinion, borders on recklessness.
Don't get me wrong, these are all fantastic things and I
think we should have them. Yet we are putting together a puzzle when we
really don't know what it will look like in the end.

No, I'm not offering a solution, but I just don't like what I am seeing on the
APRSSIG in general. There really is more to life then amateur radio. We can endlessly debate the technical merits of the powerpole yet when someone raises a philosophical question we all crawl in our caves. It does deserve a little thought. The concerns raised were legitimate and I think a general goal of
honoring the wishes of other amateurs and community responsibility are achievable in theory although in practice it may be tougher.

73

Jeff wb8wka

P.S. I can see a legitimate reason to want to send short range APRS data in the WTC area, yet NOT want that same data to appear on the internet. The question is not what people who willingly break the law will do but
what we do to ourselves. In the case of the WTC tracker (tracking the location of relief personal), a universally accepted "nogate/rfonly" flag would have solved this.

_____
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563. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 16:24:18 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38433-2001.09.25-11.48.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Curt Mills, WE7U" <hacker@tc.fluke.com> wrote:

>As for Xastir, there'll be something similar in a few minutes...
>CVS version. ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Couldn't resist sending this once again to the sig. Amazing what open projects in hamdom can do. ;-)

-Jeff

_____
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564. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 16:37:16 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38436-2001.09.25-12.01.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark:

I missed your first message on this so these are out of order.

Mark Dieterich <n2pgd@arrl.net> wrote:

>1. We need some way to turn off igate funcationality during a disaster.

This exists in the form of nogate/rfonly. I believe only a few have adopted this I think afilter, ui-view and TNOSaprs. To be effective, this "standard" will need to be made part of the aprsspec and time will need to pass for older non-compliant programs to be updated.

I'd
suggest you write both TAPR, ARRL and the APRS-WG securtary, on the
letterhead of your relief agency, suggesting this would be a good
standard to adopt as well as enforce, should the APRS compliance
suite ever appear. Make it a nice letter, but do outline the experinces
that you had. I'd take the request outside of the APRS domain so that
people with leveler heads can consider it.

Also, x-no-archive is really something after the fact...
the data is already on the internet at that point, what you
really want is your bullet point >1. above, and adoption of nogate/rfonly
header filtering would go a long way into solving this. nogate/rfonly
no pass filtering could also be added to the APRS servers such as APRSD. But
encouraging all three mechnisms (nogating, no pass at APRSD and no
archive at FINDU) would be good as well.

73

Jeff wb8wka

_____
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565. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Sep 2001 12:56:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38441-2001.09.25-12.21.10--lyris.aprssig#tapr.org@lists.tapr.org>
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On Tue, 25 Sep 2001, Mark Dieterich wrote about APRS in emergencies:

> important role in disaster relief work, but I think we need to be careful about
> how it is used. I see a couple of needs, perhaps they are already met...

Yes, good points. It is mostly user tranining and practice...

> 1. We need some way to turn off igate funcationality during a disaster. It's
> important to keep some of this information away from the internet. Perhaps an
> easy way to do this is run APRS disaster communcations on a different frequency.

a) use the OPT-OUT flag or NOIGATE in packets with sensitive info
b) operate on a local freq

> 2. We need some way to stop certain sites transmitting position data. They
> can still use APRS to send/receive messages and monitor other stations, we must
> be sure they don't transmit position data.

a) Set position ambiguity to what ever scale you want.
b) Dont enter your position.

> I'm sorry if I've stepped on any toes over this issue.

Not at all. Just like anything else. Users of technology need to know
how it works and practice beforehand... If I can stump on any other
subject, it is that too many users do not know how to use many of the
features built-into APRS (or some software did not implement many
important subtle features of APRS, so that their users can use the proper
techniques effectively...) But then everyone has heard me on this subject
before...

BOb

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566. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Germino" <mgermino@inreach.com>
Date: Tue, 25 Sep 2001 09:56:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38443-2001.09.25-12.26.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> 1. We need some way to turn off igate funcationality during a disaster.
It's
> important to keep some of this information away from the internet.
Perhaps an
> easy way to do this is run APRS disaster communcations on a different
frequency.
>

This was not a disaster. This was war. As such we need to respond
differently than in a disaster.

 Do not call this attack, on civilization, a disaster. To call it a
disaster puts it on the level of a storm. A storm is not evil, it might
kill and main, but it is not evil.

Mike
AD6AA

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567. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jacques Voisin" <jvoisin@evcom.net>
Date: Tue, 25 Sep 2001 13:14:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38445-2001.09.25-12.36.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here in Central Florida we use APRS in disaster communication and we have
certain rules about information that can or cannot be sent on APRS. This up
to the EC in charge of the operation to determine what it is. At the
American Red Cross we have specific rules which are nation wide. Shelter
location is no secret, client personal data are.

Jacques C. Voisin, N4JCV, AAR4JI
SKYWARN Manager Orange County, FL
ARC of Central Florida. Comm Chairman, Trustee N4ARC
http://evcom.net/~jvoisin/n4jcv.htm
e-mail: jvoisin@evcom.net or n4jcv@arrl.net

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568. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 17:57:48 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38449-2001.09.25-13.22.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga <bruninga@usna.edu> wrote:

> > 1. We need some way to turn off igate funcationality during a disaster.

>a) use the OPT-OUT flag or NOIGATE in packets with sensitive info

I knew about nogate/rfonly, and that only a few programs supported them,
but could you please post more info on the NOIGATE and OPT-OUT flag as
I am unfamilar with them. Also, and put your WG hat on, are these methods
scheduled to be part of the spec/certification process?

Thank you

Jeff wb8wka

_____
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569. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 25 Sep 2001 10:59:25 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38450-2001.09.25-13.24.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Jeff King <transit_man@hotmail.com> wrote:

>
> This exists in the form of nogate/rfonly.
> I'd
> suggest you write both TAPR, ARRL and the APRS-WG securtary, on
> the
> letterhead of your relief agency, suggesting this would be a good
> standard to adopt as well as enforce,

This "ENFORCE" is exactly the reason I'm against any and
all nogate/rfonly technology... Once one step is taken towards
limiting the technology, then it's only a matter of time until
more expectations and even legal challenges will be
showing up. And that one step has been taken...

There are plenty of nogate options with out crippling the
existing system. Any expected security of the nogate system
is illusionary.

If you send a clear text packet on Amateur Radio - it's out
there for the world to see and use. The system is still
extremely useful. It's up to the users to recognize this
and plan accordingly.

Bill, WA7NWP

_____
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570. [aprssig] Re: Amateur Radio at WTC relief effort

From: RMckni8527@aol.com
Date: Tue, 25 Sep 2001 14:22:22 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38453-2001.09.25-13.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/25/01 10:13:24 AM Pacific Daylight Time,
jvoisin@evcom.net writes:

> Here in Central Florida we use APRS in disaster communication and we have
> certain rules about information that can or cannot be sent on APRS. This up
> to the EC in charge of the operation to determine what it is. At the
> American Red Cross we have specific rules which are nation wide. Shelter
> location is no secret, client personal data are.
>

I guess I'm still struggling with the initial problem that stated that APRS
was disclosing the location of "sensitive shelters". Why is a shelter
location sensitive and don't we need to know their locations? Were relatives
denied the location of their surviving family members? Was there concern
that shelters may become another target? I absolutely agree that personal

information should never be released.

73's
Ray - WB3ABN
Kingston, WA

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571. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 18:29:00 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38454-2001.09.25-13.53.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall <wa7nwp@yahoo.com> wrote:

> > letterhead of your relief agency, suggesting this would be a good
> > standard to adopt as well as enforce,

>This "ENFORCE" is exactly the reason I'm against any and
>all nogate/rfonly technology...

The internet is built upon compliance standards. How do you think you are
sending
this message? If there were no standards on the internet, how well do
you think it would work?

>There are plenty of nogate options with out crippling the
>existing system.

Nogate/rfonly is just like a wide. It is a routing *CHOICE* the users
make. Why would you not wish to honor the users request? Why not change
a users single relay into a 7 hop long wide?

>Any expected security of the nogate system is illusionary.

Who said security? I sure didn't. I have always said it was choice
and respecting people's wishes and expectations. The only true security
is to move away and seal the cave door.

In case you haven't
noticed, in the last 10 years, amateur radio sure has changed. And in any
case, security is not a
black and white issue, no matter how hard we try to say it is. It
is shades of grey. And you can only try so hard. But just because
something can never be perfect is not a reason not to at least try.

>If you send a clear text packet on Amateur Radio - it's out
>there for the world to see and use.

The poster was asking about the internet, not amateur radio. The
fact that the data orginated on amateur radio makes it "legal" for
you to send it all over the world on the internet even if the sender didn't
intend
for this and specifically asks you not to. Your within your legal
rights to go tell the user of a "nogate" PID to go pound sand. But the
question is if the sender
asks *you* not to do this, will you honor their request? (fully
understanding you have no legal obligation to do this). This is the
question of complaince and what complaince attempts to do is give
each user the same experince going from software to software.

This really is a question of respecting others wishes. As simple as that.
The
real question is APRSdom up to the challege of thinking this through
once and for all.

-Jeff wb8wka

_____
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572. [aprssig] Re: Amateur Radio at WTC relief effort

From: "James Fuller" <n7vmr@fuller.net>
Date: Tue, 25 Sep 2001 12:54:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38458-2001.09.25-14.18.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mark,

I, also, think this will be a valuable discussion.

We in Montana are still under a "Declaration of Emergency".
We are still running APRS in the normal mode.

Now for the rest of the story:-)

When the WTC incident occurred, we were hosting in Montana a FEMA
conference.
The Governor's Order activated the ARES Memorandum of Understanding
Emergency Operations Plan.
Under the Plan, I became the Incident Commander for the Amateur Response. I
was able to see the few APRS stations responding with trackers to the
Staging areas. This was a positive for setting up a response, as resources
are easily known.

At the staging, we had a policy to request the APRS to be deactivated until
the unit was assigned to an operation.
Depending on the assignment, the APRS was requested to move to another
frequency or to remain off.
The Adjutant General of the State of Montana requested specific operations
not to have tracking identification. We opted to require APRS off in these
operations.

Moving to an alternate frequency was preferred to hold traffic of the
operation to a specific area. This keep the information for the operational
IC focused. I was able to see a definite help to this in the reduction of
radio traffic.

The other problem for Montana is an insufficient number of APRS trackers and
stations :-(

Jim Fuller
N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

-----Original Message-----
From: bounce-aprssig-25879@lists.tapr.org
[mailto:bounce-aprssig-25879@lists.tapr.org]On Behalf Of Mark Dieterich
Sent: Tuesday, September 25, 2001 8:39 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Amateur Radio at WTC relief effort

Folks,

> >APRS at shelters huh? Not that I know about. I'm KC2ENI the net
controller
> >for the "event". We haven't sanctioned the use of data in this operation.
> >
> >Many of the sites we are involved in are secure area's whose locations
are
> >to remain anonymous. APRS would betray that anonymity.
>
> Position information is such a minimal part of what APRS provides... It's
a
> tactical platform, not a report your position protocol!

I'd like to open up a discussion about this. I just returned from 10 days
down in the NYC area and know that there were serious issues with APRS being
run at sensitive areas. Because the position of the stations was

transmitted
out over the air and then cataloged via findu.com, senstive information was
released to the world. I presume that no harm was meant, but it is
important to
think of potential consequences before acting and to confirm with those in
charge before setting up a station.

I stand firm behind APRS and operate it constantly when I'm home, however,
my
car tracker was turned off while I was down in NYC to ensure I did not
inadvertantly transmit any sensitive data. I believe that APRS can play an
important role in disaster relief work, but I think we need to be careful
about
how it is used. I see a couple of needs, perhaps they are already met...

1. We need some way to turn off igate funcationality during a disaster.
It's
important to keep some of this information away from the internet. Perhaps
an
easy way to do this is run APRS disaster communcations on a different
frequency.

2. We need some way to stop certain sites transmitting position data. They
can still use APRS to send/receive messages and monitor other stations, we
must
be sure they don't transmit position data.

All in all, I think the amateur radio community received a lot of good
press.
We received many letters, emails, and personal compliments from other people
working on the relief effort.

I'm sorry if I've stepped on any toes over this issue.

73,

Mark

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573. [aprssig] Re: Amateur Radio at WTC relief effort

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 25 Sep 2001 14:34:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38464-2001.09.25-14.59.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This has been a good discussion, but is, unfortunately, degrading into a
political discussion of the merits of APRS and Internet communications.
Let's make this easy (instead of trying to impose any one person's will
on the mass, which doesn't work anyway). Amateur Radio in the United
States is regulated by the FCC. The FCC regulations delineate amateur
radio's use in times of emergency. APRS (as is all other amateur
communications) is clear text information transmitted over public
airwaves which can be legally received by ANYONE and redistributed at
will.

Amateur Radio is NOT authorized to carry ANY form of classified
information due to its public nature. If you don't want the position of
your station known, don't transmit because that is the only way to keep
it secure (DF is easy, especially on VHF & UHF). Changing frequencies
only provides a false sense of security. If someone wants to know your
position, they can determine it fairly easily.

Amateur Radio and APRS can be of great value in emergency
communications. But ARES and RACES coordinators must understand that
Amateur Radio is a public method of communication and can not be used
for any type of secure operations. Also, only a sanctioned RACES
operation can legally restrict the types of transmission on that
specific frequency (beyond standard FCC regulations). But a RACES

operation is still public communication and can be redistributed via
other means. All other EC operations by Amateur Radio operators are
only restricted by the standard FCC regulations.

Use of NOGATE and RFONLY are nice but do not (and should not) guarantee
prevention of retransmission. Most APRS software provide the capability
to reduce the accuracy of the posit transmitted or eliminate it
entirely. This can be of use in general tactical situations such as the
WTC disaster where station locations are already known and posits would
only clutter the frequency. I hope those stations also set their posit
rate down to every 30 minutes so they would show up on the EC's computer
but wouldn't overrun the frequency with useless posits.

Sorry about the soapbox, but I was getting tired of reading posts by
people blindly trying to severely restrict APRS activity simply because
they are afraid of the Internet and of the capabilities of APRS.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

"Those that willingly give up their freedoms for security, deserve and
will receive neither."

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574. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Sep 2001 15:41:36 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38465-2001.09.25-15.06.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Sep 2001, Jeff King asked about:

> >a) use the OPT-OUT flag or NOIGATE in packets with sensitive info
>
> I knew about nogate/rfonly, and that only a few programs supported them,
> but could you please post more info on the NOIGATE and OPT-OUT flag as
> I am unfamilar with them. Also, and put your WG hat on, are these methods
> scheduled to be part of the spec/certification process?

No. As you saw before when this was discussed adnauseum, we could not
get any agreement. Opinions were split and fiercly defended on either
side of the issue. I think it was one of the issues that caused one of
the WG members to resign.

For the questino about NOIGATE and OPT-OUT terms, Im sorry, I used
those terms generically, since I never could remember what Steve
actually implemented out of all the suggestions.. NOGATE I
think is the proper term for the NO-IGATE mechanism and "x-no-archive" was
the opt-out. But I wanted a much more suscinct abbreviation of that.
SOmething like "!no%" I think it was... Here was my post:

> My only request is that we shorten this substantially. WIth only 20
> bytes in the D7 STATUS line, I dont like taking up 60% of them with
> the above flag.
> Can anyone come up with somthing better than the "!no%" that I had
> previously suggested as a shorter way to say the same thing?

Each of those characters was chosen carefully.

  ! and % are the first out of dozens of characters that come up when
  you press the punctuation key. Saving doeznes of key presses.
  Lower case "no" is 8 key presses shoreter than "NO". etc...

But unless authors agree to recognize and implement these, then all
discussion is moot. And last time, as I said, opinions split 50/50 with
strong opinions on both sides.

Hope that helps...
bob

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575. [aprssig] Re: Amateur Radio at WTC relief effort

From: RMckni8527@aol.com
Date: Tue, 25 Sep 2001 15:52:34 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38468-2001.09.25-15.17.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/25/01 11:56:47 AM Pacific Daylight Time,
n7vmr@fuller.net writes:

> Communication is not only to support American Red Cross Shelters.
> We support Medical, Police, Military, Search and Rescue, and other
> organizations.
> We must respect the wishes of those being served.

In my opinion, Amateur frequencies should not be used for communications support in which sensitive information is part of the data. Sure, it's certainly a good thing for Amateurs to augment communications for these agencies, but only for non-critical, non-sensitive data. That's what THEIR frequencies and personnel are for. By augmenting lower priority communications we free their primary resources for the critical tasks. I know there will be some that argue that in an emergency, all the rules go out the window. This is a poor argument (I'm not implying that you have or intend to take this position). Effective emergency communications starts with a coordinated plan which includes how and where communications resources will be utilized, the infrastructure needed, and how different parts of the system interact. And most importantly, practice is needed to ensure the plans is implemented effectively. Certainly we, as Amateurs, need to respect the wishes of those we support, but we also must not let the emotions and urgency of the moment cause us to lose sight of our role and how we best can support the overall mission. Some types of communications just are not appropriate for us, regardless of the situation. That's why we have Reservists, National Guard and other methods (State and Municipal government assets) to augment military and other critical, sensitive missions when necessary.

I'm copying the SIG as well, even though you responded privately, as I feel this discussion is important for everyone to participate.

73's
Ray

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576. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 19:59:27 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38469-2001.09.25-15.24.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"AE5PL Lists" <HamLists@ametx.com> wrote:

>Use of NOGATE and RFONLY are nice but do not (and should not) guarantee
>prevention of retransmission.

It goes farther then that. To my knowledge, NOGATE and RFONLY are not part of the APRS spec, and to my knowledge, the only mainstream GUI program that supports them is UIVIEW (but I could be wrong there). Hence, they really cannot be depended on for anything at this point in time nor should it be a absolute even if widely adopted.

>Sorry about the soapbox, but I was getting tired of reading posts by
>people blindly trying to severely restrict APRS activity simply because
>they are afraid of the Internet and of the capabilities of APRS.

I think the fellow at the World Trade Center terrorism site is fully aware of his needs, much better then you or I. He specifically asked for a way to shut down internet gateways. I don't think he is afraid of the internet or the capabilities of APRS. In fact, I'd say from

what I have heard these are shining lights for APRS.

Or possibly you were referring to the peanut gallery. Kinda hard to
figure that out. But no matter. Amateur packet radio
has always been about choice, I can set my paths, determine who I talk
with, ect ect. This goes far beyond APRS, the majority of mainstream
packet programs supported user choice of routing, when it made sense.

The application of the internet to APRS broke that mold. No longer
could you do a "wide wide", or just a "relay". You simply didn't have
a routing choice, it was worldwide, like it or not, without regard to
your specific tactical requirments.

Maybe if you where a little more specific about who or what you think
is "blind" it might help. I think one has to be blind to not see the
difference in philosophies between allowing user selectable routing on
RF (by allowing users to select the digipeater paths/lengths) and
not allowing it on the internet (via a nogate PID or other method). All that
is being suggested is that
user control, that has always existed on RF, be introduced in the
internet path. The only guarantee is if you seal yourself in a cave
but that doesn't mean we can't improve or learn if we don't chose to
live in a cave.

73

Jeff

_____
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577. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 25 Sep 2001 13:14:33 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38470-2001.09.25-15.39.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Jeff King <transit_man@hotmail.com> wrote:
> Bill Vodall <wa7nwp@yahoo.com> wrote:
>
> > > letterhead of your relief agency, suggesting this would be a
> good standard to adopt as well as enforce,
>
> >This "ENFORCE" is exactly the reason I'm against any and
> >all nogate/rfonly technology...

> The internet is built upon compliance standards. How do you think
> you are sending
> this message? If there were no standards on the internet, how
> well do you think it would work?

Internet standards (always a good idea - since there are
so many to choose from) have nothing to do with FORCING
rules on the Amateur world.

> >There are plenty of nogate options with out crippling the
> >existing system.
>
> Nogate/rfonly is just like a wide. It is a routing *CHOICE* the
> users make. Why would you not wish to honor the users request?

As I said, this is opening the door to more restrictions, legal
challenges, complications.   It could at an extreme result in
the shutting down of all Igates. It is a risk we should
not take.

> Why not change a users single relay into a 7 hop long wide?

Why not - there are times when it would be a good thing.

> >Any expected security of the nogate system is illusionary.
>
> Who said security? I sure didn't. I have always said it was
> choice and respecting people's wishes and expectations.

In my opinion, it's important that the expectation be clear
and simple. Aprs packets on Amateur Radio are on the Internet.

> The only true security
> is to move away and seal the cave door.

In this case, to turn off the transmitter and hope nobody is
posting objects for your cave doors position.

> In case you haven't
> noticed, in the last 10 years, amateur radio sure has changed.

Yes. Now we can order pizza on the air.

> And in any case, security is not a
> black and white issue, no matter how hard we try to say it is.

In this case it should be. Amateur Radio packets have no
security. 100% public. Black and white.

> >If you send a clear text packet on Amateur Radio - it's out
> >there for the world to see and use.
>

> This really is a question of respecting others wishes. As simple
> as that.

No. I disagree. Risking the basic concept of the Igate
system due to artificial expectations of a small level of
security is the question.

Do we want the APRServe system as it is or not?

If somebody wishes to secure their tracking position or
data transmissions, they can take it off Amateur Radio, set up
a 128 bit encrypted data stream and go to it.   For here and now,
this is and should be 100% public!!! Any expectations to the
contrary can only cause problems - for both the transmitters
of the data and the folks collecting and using it.

> -Jeff wb8wka

Bill WA7NWP

_____
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578. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 20:40:45 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38472-2001.09.25-16.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
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Bob Bruninga <bruninga@usna.edu> wrote:

>Also, and put your WG hat on, are these methods
> > scheduled to be part of the spec/certification process?
>
>No. As you saw before when this was discussed adnauseum, we could not
>get any agreement. Opinions were split and fiercly defended on either
>side of the issue.

Yeap... John Leonard's post back on 9/14 was a foretelling that no
matter how many times you hit them on the head, they just are not
going to get it. Then I saw the actual relief workers at the WTC

asking for IGATE control, and we still see the same old arguements
adnausem that don't even get this is primarily a routing issue, and not a
security one. A matter of individial choice, which has always been
a core value of APRS, as it should be. There should be IGATE control
as part of APRS routing.

Since it really is a internet issue, maybe it should be approached
from that side of the fence. There is historical precedence here, see:

http://www.armware.dk/RFC/rfc/rfc1226.html

which was a offical internet RFC for ax.25 encapsulation. I don't think
it will fly here, but food for thought. The internet is not ham radio.

73 to you Bob.

Jeff wb8wka

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579. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 25 Sep 2001 16:46:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38473-2001.09.25-16.11.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > >If you send a clear text packet on Amateur Radio - it's out
> > >there for the world to see and use.
> >
>
> > This really is a question of respecting others wishes. As simple
> > as that.
>
> No. I disagree. Risking the basic concept of the Igate
> system due to artificial expectations of a small level of
> security is the question.

I think this is a KEY issue.

Even IF a really compliant security system was put into place, and
packets were GUARANTEED to not be forwarded by the software
in place out there, they would STILL be 'on the air' and subject to
sniffing.

They would STILL be available to anyone with a scanner and some
sound board software.

They would STILL be available to the internet if someone just had a
local contact to do his sniffing for him.

And the sniffing would NOT be detectable, as if wouldn't have to be
a TNC/radio combination, it could be some kid with an old PRO-2001
scanner and software that uses his PC sound card to collect data.

Think that doesn't happen now?

It's like my friend who was about to relate some VERY confidential
info to me while he was communicating from Boston to Bedford. I
told him "STOP!" and explained someone could be listening. He
was 'Yeah, right!'. And related to me that the phone company
ASSURED him it was illegal to listen to cell phones.

So, I told him to just say his office phone number, which he did. Then
asked anyone listening to call and leave a message saying they
heard it on the air.

He said he'd hang up and make sure his voice mail was empty then

call me back. Well, I waited and waited and waited. Finally he called
me back. He COULDN'T GET THROUGH to his office phone! It was
busy! Finally he did, and got in after MULTIPLE calls. One guy even
went so far as to leave his name and number and offered to talk to
him about his scanners!

Think there aren't 100 people with scanners out there for EVERY SINGLE
HAM? Ok, maybe there are more! Now, how many of them have the
capability to listen to packet? Not many? Ever see the software out
there
to monitor the pagers with your sound card?

"There is no security other than the realization that there is no
security"

Keep that in mind. DON'T EVER rely on 'security'.

Mike

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580. [aprssig] RE: nogate

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 25 Sep 2001 17:01:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38477-2001.09.25-16.22.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The bottom line here locally is that folks are going to other
frequencies.... rather than 144.39...

No that doesn't stop others from monitoring, setting up a digi back to
144.39, or setting up an IGATE for that freq.... but for short events and
limited notice... it reduces the likelyhood of anyone going through the
trouble...

Not having choice has already driven individuals away from APRS on 144.39...
that's their choice... I think an easy step (that I tried to get them to do
instead) is choose a datum with a huge error compared to WGS84... so all the
packets were sent correctly... but you needed to know the correct datum on
the other end.... for them it was too much bother ... and the APRS
application didn't have any readily available way to easily select different
datums with the maps they had...

That does beg the question (since I'm not familiar with all the various APRS
software).... are there any APRS apps that do allow you to select from a
number of different datums????

ALOHA
AH6LS

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581. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 21:01:51 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38482-2001.09.25-16.26.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall <wa7nwp@yahoo.com> wrote:

>Internet standards (always a good idea - since there are
>so many to choose from) have nothing to do with FORCING
>rules on the Amateur world.

OK, then how about AX.25, APRS spec, the FCC, ect ect? All are
rules, some codified by law, others codified by gentlemen's agreement.

I really think you are loosing site of the forest through the trees.
All the WTC worker asked for was CHOICE, which you argue to deny him,
and the reality of it is this really is a routing issue, something
you should be familar with. Do not make it something it is not, regardless
of his reasons for asking for it. Do not be a control freak. It is routing,
and that is all it is.

> > Nogate/rfonly is just like a wide. It is a routing *CHOICE* the
> > users make. Why would you not wish to honor the users request?
>
>As I said, this is opening the door to more restrictions, legal
>challenges, complications. It could at an extreme result in
>the shutting down of all Igates. It is a risk we should
>not take.

And I could say it would cause the earth's orbit to destablize.
Document your claims, otherwise it is chicken little stuff. It is
just routing no matter how hard you try to make it something else.

>In my opinion, it's important that the expectation be clear
>and simple. Aprs packets on Amateur Radio are on the Internet.

Yet, the expectations are not at all clear. There is no routing
information like there is for ax.25. If I send a single hop
posit, I know it will go out one hop. Yet I never know if something
I send doesn't go to the internet. RF desitation has routing, explain to me
why you think internet should not.

> > And in any case, security is not a
> > black and white issue, no matter how hard we try to say it is.
>
>In this case it should be. Amateur Radio packets have no
>security. 100% public. Black and white.

Again, this is not directly about security nor is it about amateur radio. It
is about one gentlemen's request that a automated way exist to control
internet gateways. Routing in other words. Yet, you throw everything you
can in a effort to deny this legitimate request. Who cares why he asked,
it boils down to routing, which you wish to deny.

> > This really is a question of respecting others wishes. As simple
> > as that.
>
>No. I disagree. Risking the basic concept of the Igate
>system due to artificial expectations of a small level of
>security is the question.

What is the basic concept? Understand, there is no accepted basic
concept. It is still being worked on as we speak as it should be.
APRS HAS TO EVOLVE if it expects to be successful.

>Do we want the APRServe system as it is or not?

I suggest to you that is not the question. If I wish to operate on
RF and requests those around me not send my packets to the internet
(which has nothing to do with propagation) I feel that is a legitimate
request. Do I have a expectation of privacy? Of course not. But in
the world of gentlemen's agreements and the accepted standards of
APRS (routing) I do expect a gentlemen to honor my request, regardless
of the reasons. This is NOT RF, but a active dynamic process on the
internet.

So, to answer you question, no, I don't think we do. If you had attended
the DCC, you would have listened to some of the talks discussing problems
with the current system. Things that need repair. While repair was the
only thing discussed, I think evolution is also a worthy goal.

>If somebody wishes to secure their tracking position or

>data transmissions, they can take it off Amateur Radio, set up
>a 128 bit encrypted data stream and go to it.

Again, the issue being discussed is routing and the internet, not
RF. The issues would remain the same regardless.

>For here and now,
>this is and should be 100% public!!!

And for here and now, this should be 100% personal CHOICE. I refuse
to adopt your collective mindset even though I know my views will
never prevail. Individial choice and rights are all I care about, things
you would wish denied for your view of the collective good.

-Jeff

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582. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Ken Cechura <kcechura@umr.edu>
Date: Tue, 25 Sep 2001 16:11:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38486-2001.09.25-16.40.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someplace i missed the original message.... if the position of the people
was supposed to be secure or unknown, why didn't the trackers just get
turned off?

could someone send me the original message too?

thanks
Ken

      //
     //   Kenneth R. Cechura, KC9UMR   //
    //   kcechura@umr.edu   //
   //   Station Manager, W0EEE   //
  // University of Missouri-Rolla Amateur Radio Club //
//

583. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Jeff King" <transit_man@hotmail.com>
Date: Tue, 25 Sep 2001 21:20:49 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38487-2001.09.25-16.45.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Mike Yetsko" <myetsko@insydesw.com> wrote:

>"There is no security other than the realization that there is no
>security"
>
>Keep that in mind. DON'T EVER rely on 'security'.

You might try reading the mail I posted earlier. I already agreed with
this statement I believe to the extent their never can be perfect
security.

Yet on and on we go.... you don't want to face up to the fact that
THERE IS ROUTING on the RF side BUT THERE IS NO ROUTING ON THE INTERNET
side. A ham can chose his intended target audience on the RF side
yet has no choice on the internet side. Seems kinda backwards, right?

This, is, was, and always will be a routing issue. And as to security,
do you run your windows boxes on the internet with disk sharing enabled
and no password? I mean, you said above "there is no security" so why
bother with things like passwords, firewalls and the like, right? Just
a waste of money.

I know exactly what the posters intent was, and also the realization that
security
does come in shades of gray. None-the-less, why is it your right to
judge someone elses reasons?

Oh, and on your cellphone example, again, shades of gray. In your example,
you ommitted the fact the fellow was on a analog phone... standard
FM and trival to recieve. Digital phones are also insecure, but
far far less then the standard FM phones. Shades of gray.

Answer me this, why are you against Igate routing similar to RF routing
that we already have? This is the root question, and I think it is
more important you answer it to yourself then to me.

-Jeff

"The internet is not amateur radio"

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584. [aprssig] Abit board?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 25 Sep 2001 15:29:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38489-2001.09.25-16.54.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody have any opinions on the Abit KG7 RAID DDR motherboard? Looks
like something I might want to use in my next machine...

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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585. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 25 Sep 2001 16:32:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38491-2001.09.25-16.57.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall <wa7nwp@yahoo.com> wrote:
>Internet standards (always a good idea - since there are
>so many to choose from) have nothing to do with FORCING
>rules on the Amateur world.

Many parts of Amatuer radio are standards agreed to for interroptability.
Modulation techniques, frequency ranges, power output, digitial protocols etc.
Packet radio routing is a choice that all of us make. Having the choice
whether I send my packets down a particular path does not deny you the ability
to have a choice of where your packets are routed.

I am not sure how "FORCING rules on the Amatuer world" applies here. It seems
that we would be providing more choices, not limiting choices, if people
wishing to maintain RF only routing could have such a choice.

Now if you are vastly interested in where everyone is at and what

conversations are going on, and if we might deny you some information that you thrive off of, then perhaps I would understand how such a choice might FORCE you to not have a choice to see such information. There is weather information and someother data that some might feel is of only local interest. But, others might be doing larger scale research or documentation and if these packets stop making it to the internet, this research/collection would not be possible...

It seems kind of a silly argument though... If you don't provide people conditional routing choices, they will choose not to transmit at all and their packets will still not be visible in general...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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586. [aprssig] Re: Abit board?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Tue, 25 Sep 2001 15:45:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38492-2001.09.25-17.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.tomshardware.com - good place to start

Article search on KG7 yeilds: http://www6.tomshardware.com/mainboard/01q3/010806/

Looks like a nice board. Good call on going Athelon - looks like most places are recomending staying away from the P-4 unless you've special needs.

Wish someone would come up with a good dual CPU Athelon board though....

73

Earl Needham wrote:
>
>   Anybody have any opinions on the Abit KG7 RAID DDR motherboard? Looks
> like something I might want to use in my next machine...
>
>   Thanks,
>   Earl
>

--
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               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               ++++++++++++++++++++++++++++++++++++++++++++++
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"I fear all we have done is to awaken a sleeping giant and fill him with a terrible resolve."
         - Admiral Yamamoto

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

587. [aprssig] Re: Abit board?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 25 Sep 2001 15:54:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38493-2001.09.25-17.19.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:45 PM 9/25/2001 -0600, you wrote:
>http://www.tomshardware.com - good place to start
>
>Article search on KG7 yeilds:
>http://www6.tomshardware.com/mainboard/01q3/010806/
>

>Looks like a nice board. Good call on going Athelon - looks like most
>places are recomending staying away from the P-4 unless you've special needs.

Thanks, Tate. Dunno if you realize this, but I'm using a computer
I built already -- 1 GHz Athlon, o/c to 1330, 760 MB RAM, GeForce 2 Pro
video card, etc...Nice machine!

>Wish someone would come up with a good dual CPU Athelon board though....

I hear there are some out there, but it seems they aren't a common
brand name. haven't heard much about them.

What about this KG7 at $179.99? Sound like an OK price?

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

588. [aprssig] Emergency/Disaster power

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 25 Sep 2001 18:02:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38497-2001.09.25-17.31.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After all that has happend I'd like to remind folks (who haven't yet) that
maybe it's time to look into providing *emergency* power to your APRS
station.... or ... at the very least your radio & TNC.

As I have mentioned here before, my APRS WX station has a size #27 "deep
cycle" battery to provide power to the radio/tnc during failure of
commercial power. This is conneced via an Astron power supply with the BB
(Battery Backup) option. The computer that runs APRS will not be powered,
and no current APRS WX data will be sent, but at least the station is
available for others to digi thru and to use my KAnode if necessary.

Richard Amirault N1JDU Boston, MA, USA
ramirault@erols.com "Go Fly A Kite"
http:// www.erols.com/ramirault

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

589. [aprssig] Re: Abit board?

From: Jeff Walsh <jeff.walsh@ttu.edu>
Date: Tue, 25 Sep 2001 17:31:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38507-2001.09.25-17.54.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl: I am planning on getting that same board, except without the raid.
My server where I keep everything has it already; don't need it on the
workstation. Im getting an AMD T-Bird 1400, Abit KG7, and 512MB of PC2100
RAM. That, with a cpu fan and burnin/testing, is running me $369.

Tate: I know a guy with a dual Ahtlon setup. I believe he is using a Tyan
motherboard. The only downside is the board is about $500. Too much for
me, even though I have been spoiled by my current dual-cpu setup (dual
celeron 533's on an Abit BP6 mobo). If you want more info on his dual AMD
setup, I can ask him.

Jeff

```
--
Jeff Walsh - KC5IBY -- ICQ# 63034000   AIM - fourx4hart
Pager -- 1-877-901-9553 or pager@jeffwalsh.net
Smith & Wesson - The ultimate point and click user interface
http://www.hitechredneck.net
Member IEEE

On 2001.09.25 16:45:41 -0500 KC7ZRU - Tate wrote:
> http://www.tomshardware.com - good place to start
>
> Article search on KG7 yeilds: http://www6.tomshardware.com/mainboard/01q3/010806/
>
> Looks like a nice board. Good call on going Athelon - looks like most
> places are recomending staying away from the P-4 unless you've special
> needs.
>
> Wish someone would come up with a good dual CPU Athelon board though....
>
> 73
>
> Earl Needham wrote:
> >
> >         Anybody have any opinions on the Abit KG7 RAID DDR motherboard?
>  Looks
> > like something I might want to use in my next machine...
> >
> >         Thanks,
> >         Earl
> >
>
> --
>                /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
>                |       CARC Repeater 146.940     DN62        |
>                |    http://groups.yahoo.com/group/RM-APRS    |
>                |    "The Dungeon" at http://go.to/KC7ZRU     |
>                | LINUX user: 227845  http://counter.li.org/  |
>                ++++++++++++++++++++++++++++++++++++++++++++++++
>
> "I fear all we have done is to awaken a sleeping giant and fill him with
> a terrible resolve."
>          - Admiral Yamamoto
>
> ---
> You are currently subscribed to aprssig as: jeff.walsh@ttu.edu
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>
>

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590. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

```
From: RMckni8527@aol.com
Date: Tue, 25 Sep 2001 18:32:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38508-2001.09.25-17.58.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

In a message dated 9/25/01 2:18:30 PM Pacific Daylight Time, kcechura@umr.edu
writes:

> if the position of the people
> was supposed to be secure or unknown, why didn't the trackers just get
> turned off?

It's my understanding that the trackers in question were well intended, but uncoordinated stations operating independently of the RACES system. There's no means in place for anyone other than the FCC to force a station to shut down (except in some extreme cases where a stations transmission may interfere with vital communications such as FAA frequencies or military freqs). RACES does have some authority to control a frequency's use, but not individual stations acting on their own license privileges.

This is a perfect example why APRS, on a national simplex freq of 144.39, is a BAD idea in a coordinated communications emergency. Some stations may not

even be aware that something is going on - dumb trackers that don't listen
before they TX, or unattended stations such as vehicle trackers left on all
night in the driveway while their owner sleeps.

Ray - WB3ABN
Kingston, WA

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591. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 25 Sep 2001 15:35:58 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38509-2001.09.25-18.00.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com> wrote:
>
> Bill Vodall <wa7nwp@yahoo.com> wrote:
> >Internet standards (always a good idea - since there are
> >so many to choose from) have nothing to do with FORCING
> >rules on the Amateur world.

My objection to NOGATE is not to routing choices.

We have a preliminary scheme in place to limit packets on
the Internet. I submit that with such a scheme there will
be "additional requests", limits and eventually rules to
enforce and control this activity. That's human nature.
This will lead to having liability forced upon Igate operators
which could eventually lead to Igates and/or servers being
removed from service.

Jeff suggested that folks write those in authority to
"enforce" software requirements to follow the NOGATE
scheme.

That scares me... It's a high level "additional request" to
control the activity.

It is my opinion that this could, in the extreme,
lead to the shutdown of the APRServe network.   And for
that reason I challenge any limits on the processing
of APRS packets.

> I am not sure how "FORCING rules on the Amatuer world" applies
> here.

It is the Forcing of rules on the server software that
I am challenging.

> It seems
> that we would be providing more choices, not limiting choices, if
> people
> wishing to maintain RF only routing could have such a choice.

There is no need for RF only routing. The Igates are "mostly"
invisible.

Is the APRServe a good thing? Has it become an integral part
of the APRS network? I strongly believe so. (And I'm an RF
bigot...)

> gregg@c2-tech.com (C2 Technologies Inc)

Bill, WA7NWP

_____
Do You Yahoo!?
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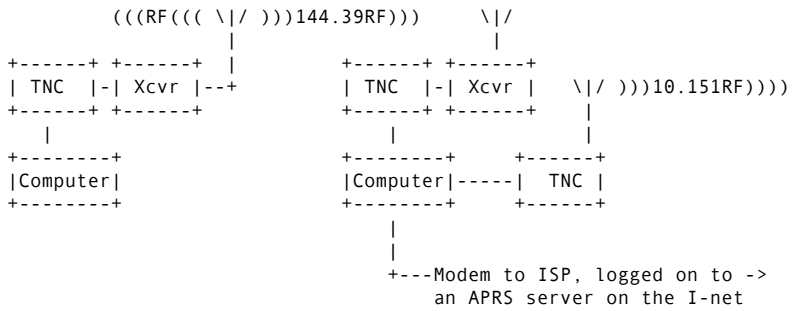
592. [aprssig] Overview of GATE,NOGATE,RFONLY,x-no-ar & related stuff

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 25 Sep 2001 19:02:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38515-2001.09.25-18.28.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,
For the sake of clarity, I thought I'd share with folks the functions described above, as I understand their application in the APRS(tm) protocol specification (did you catch that disclaimer?) <smile>. Don't kill me if I've made a minor error...just correct it for the benefit of us all. No flames or "points" included...just the facts as I know them -- again, to the benefit of the whole APRS community.

Ev, W2EV

A diagram will help...



TX Frame from station on the Left (APRS station)	Resultant action by station on the right (a GATE and IGATE)
CALL>APRS,GATE:...	Frame will be TX'd to 10.151 -and- the posit will go to the Internet server which will also feed the findu.com server, where Internet surfers can view it.
CALL>APRS,RELAY,WIDE2-2:...	Frame will be digipeated on 144.39 as a result of fulfilling the RELAY request -and- the posit will go to the Internet server which will also feed the findu.com server, where Internet surfers can view it.
CALL>APRS,GATE:... x-no-ar...	Frame will be TX'd to 10.151 -and- the posit will go to the Internet server which will feed findu.com, which will ignore the frame.
CALL>APRS,RELAY,WIDE,NOGATE:	Frame will be digipeated on 144.39 as a result of fulfilling the RELAY request -and- the posit will go to the Internet server which will also feed the findu.com server, where Internet surfers can view it. NOGATE is not an APRS protocol spec, so it's presence has no significance in the APRS world. [NOTE 1]

[Note 1] The exception is if this station is running UI-View or TNOSaprs (and maybe AFilter?), which have included the BEACONet(tm) protocol spec which includes RFONLY/NOGATE. In this case, the frame will not be presented to the Internet feed. This, however is a BEACONet(tm) protocol, not an APRS(tm) protocol.

The only reason that the information above is correct, is because the people who have developed those systems, have developed them in such a way as to behave this way. *However*...there is nothing keeping someone from attaching another server to the APRS Internet Server, taking raw posit information from it and archiving it...ignoring x-no-ar. It's simply that it hasn't been done yet (to anyone's knowledge, anyway).

Analogy...UseNET news groups on the Internet. Just because x-no-archive
works for commercial UseNET servers doesn't mean that the federal
government doesn't have it's own UseNET system that simply archives
everything without regard as to the presence of x-no-archive (and they
would be stupid if they didn't).

It is important to remember this: the "destination instructions"
contained in an APRS frame are ***requests*** that the frame be handled
in a certain way...they are not guarantees of it being handled in that
way.

Ev, W2EV

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593. [aprssig] IGATE help Maryland for N3HGB-5

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 25 Sep 2001 19:04:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38516-2001.09.25-18.30.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have my tracker on my boat transmitting every few minutes and it is not
getting to FINDU. I don't know why not, there seem to be plenty of other
stations getting in. I am about 3 miles or so from AA3JY-4-4 running from a
masthead antenna, so I should show up someplace. Any ideas?
Thanks
Joe
73 DE N3HGB

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594. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Jeff King <jeff@aerodata.net>
Date: Tue, 25 Sep 2001 19:13:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38518-2001.09.25-18.39.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Vodall wrote:

> Jeff suggested that folks write those in authority to
> "enforce" software requirements to follow the NOGATE
> scheme.

Bill:

I didn't mention it earlier, but you had qouted me out of context. Since
you are running with it, we need to qoute what I said in its entirety:

Jeff King wrote to Mark Dietrich regarding IGATE routing (nogate/rfonly)
and his personal experinces at the WTC terrorist attack site:

> I'd
> suggest you write both TAPR, ARRL and the APRS-WG secretary, on the
> letterhead of your relief agency, suggesting this would be a good
> standard to adopt as well as enforce, should the APRS compliance
> suite ever appear. Make it a nice letter, but do outline the experinces
> that you had. I'd take the request outside of the APRS domain so that
> people with leveler heads can consider it.

In particular, you left out "should the APRS compliance suite ever appear".

I hope you realize I am not suggesting anything new. In fact the thing you
most fear is already been adopted
by a number of APRS GUI and utility programs.... that is the nogate/rfonly
routing mechnism. The purpose of the APRS compliance suite is to insure
interoperability between APRS programs, and this can include how the programs

route information to the internet or over the air. It is no different then
the numerous examples Gregg already gave you.

Thank you

-Jeff KIng

>
> That scares me... It's a high level "additional request" to
> control the activity.
>
> It is my opinion that this could, in the extreme,
> lead to the shutdown of the APRServe network.   And for
> that reason I challenge any limits on the processing
> of APRS packets.
>
> > I am not sure how "FORCING rules on the Amatuer world" applies
> > here.
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> It is the Forcing of rules on the server software that
> I am challenging.
>
> > It seems
> > that we would be providing more choices, not limiting choices, if
> > people
> > wishing to maintain RF only routing could have such a choice.
>
> There is no need for RF only routing. The Igates are "mostly"
> invisible.
>
> Is the APRServe a good thing? Has it become an integral part
> of the APRS network? I strongly believe so. (And I'm an RF
> bigot...)
>
> > gregg@c2-tech.com (C2 Technologies Inc)
>
> Bill, WA7NWP
>
> _____
> Do You Yahoo!?
> Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger. http://im.yahoo.com
>
> ---
> You are currently subscribed to aprssig as: jeff@aerodata.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
|--|
| Jeff King   248-471-1787 F 248-471-0279 e-mail: jeff@aerodata.net |
| |
| "They that give up essential liberty to obtain a little temporary safety|
deserve neither liberty nor safety." -- Benjamin Franklin, 1759

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

595. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Sep 2001 20:01:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <aprssig@tapr.org>

Message-ID: <LYR842-38524-2001.09.25-19.25.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Sep 2001 RMckni8527@aol.com wrote:

> It's my understanding that the trackers in question were well intended, but
> uncoordinated stations operating independently of the RACES system. There's
> no means in place... to force a station to shut down...
> This is a perfect example why APRS, on a national simplex freq of 144.39, is
> a BAD idea in a coordinated communications emergency. Some stations may not
> even be aware that something is going on...

That is why from day one, APRS has had ALTNETS. If everyone in an "event"
or Situation" would set to a common ALTNET, then their software would ONLY
see others using the same ALTNET... and no others.

Just set your ALTNET to "RACES" and then only "RACES" stations will see
each other. This eliminates the "confusion" factor of non players, but of
course, it offers NO security...

For SPECIAL EVENTS: THere is a special ALTNET callsign called "SPCL".
If all participants in an event set to "SPCL" then theywill only see each
other. BUT every one else will still see them. THis is so that MARATHONS
or other public events can be SEEN by everyone, yet the participants dont
see anyone but themselves to keep the confusion down.

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

596. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Tue, 25 Sep 2001 17:04:15 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38526-2001.09.25-19.29.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Jeff King <jeff@aerodata.net> wrote:

> I didn't mention it earlier, but you had qouted me out of
> context. Since
> you are running with it, we need to qoute what I said in its
> entirety:

> > suggest you write both TAPR, ARRL and the APRS-WG secretary, on
> the
> > letterhead of your relief agency, suggesting this would be a
> good
> > standard to adopt as well as enforce, should the APRS
> compliance
> > suite ever appear. Make it a nice letter, but do outline the
> experinces
> > that you had. I'd take the request outside of the APRS domain
> so that
> > people with leveler heads can consider it.

>
> In particular, you left out "should the APRS compliance suite
> ever appear".

You're right. I didn't read it close enough.. Sorry about
that.

I saw the "letterhead of relief agency" and "standard to adopt
as well as enforce" and read in to it a request to real
government officials to write this up as a regulation.

> I hope you realize I am not suggesting anything new. In fact the
> thing you most fear is already been adopted
> by a number of APRS GUI and utility programs.... that is the
> nogate/rfonly routing mechnism.

I said that what I feared is that after this comes more
expectations of privacy and thus challenges to the existing
system. Which is what I thought was happening when I

misread your note.

I still believe there is no place in APRS/Amateur Radio
for this OPT-OUT, but that's just my opinion. The existing
system is in place, giving a nice false sense of security
to the folks using it and isn't really hurting anything (if
it isn't taken any farther). There are many many far more
interesting projects and issues to spend time and energy on.

I wonder if the folks using OPT-OUT technology are still
using the on line archives of the other folks packets who
didn't Opt-Out ? Now that doesn't seem quiet fair... <grin>

> The purpose of the APRS compliance suite is to insure

A public compliance test suite will be a good thing. I've just
went through a weekend project adding simple APRS icons to
a web page. Wow - too many different ways to do it.

> -Jeff King

_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger. http://im.yahoo.com

---
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597. [aprssig] e: Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Sep 2001 20:06:33 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38527-2001.09.25-19.31.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> It's my understanding that the trackers in question were well intended, but
> uncoordinated stations operating independently of the RACES system. There's
> no means in place... to force a station to shut down...
> This is a perfect example why APRS, on a national simplex freq of 144.39, is
> a BAD idea in a coordinated communications emergency. Some stations may not
> even be aware that something is going on...

That is why from day one, APRS has had ALTNETS. If everyone in an "event"
or Situation" would set to a common ALTNET, then their software would ONLY
see others using the same ALTNET... and no others.

Just set your ALTNET to "RACES" and then only "RACES" stations will see
each other. This eliminates the "confusion" factor of non players, but of
course, it offers NO security...

For SPECIAL EVENTS: THere is a special ALTNET callsign called "SPCL".
If all participants in an event set to "SPCL" then theywill only see each
other. BUT every one else will still see them. THis is so that MARATHONS
or other public events can be SEEN by everyone, yet the participants dont
see anyone but themselves to keep the confusion down.

de WB4APR@amsat.org, Bob

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598. [aprssig] Re: e: Re: Amateur Radio at WTC relief effort - nogate

From: Tom Busch <tomb@kiva.net>
Date: Tue, 25 Sep 2001 19:38:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38529-2001.09.25-19.48.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If it is too sensitive to send in the clear, Amateur Radio should not be
used. Find some other way to send it. If amateur radio is in such sorry
shape that it cannot stand on its own and must be propped up by changing

what we feel its basis and purpose is, then it really is time to find
another hobby.

Tom Busch

At 07:06 PM 9/25/01 , Bob Bruninga wrote:
> > It's my understanding that the trackers in question were well intended, but
> > uncoordinated stations operating independently of the RACES
> system. There's
> > no means in place... to force a station to shut down...
> > This is a perfect example why APRS, on a national simplex freq of
> 144.39, is
> > a BAD idea in a coordinated communications emergency. Some stations
> may not
> > even be aware that something is going on...
>
>That is why from day one, APRS has had ALTNETS. If everyone in an "event"
>or Situation" would set to a common ALTNET, then their software would ONLY
>see others using the same ALTNET... and no others.
>
>Just set your ALTNET to "RACES" and then only "RACES" stations will see
>each other. This eliminates the "confusion" factor of non players, but of
>course, it offers NO security...
>
>For SPECIAL EVENTS: THere is a special ALTNET callsign called "SPCL".
>If all participants in an event set to "SPCL" then theywill only see each
>other. BUT every one else will still see them. THis is so that MARATHONS
>or other public events can be SEEN by everyone, yet the participants dont
>see anyone but themselves to keep the confusion down.
>
>de WB4APR@amsat.org, Bob
>
>
>
>---
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599. [aprssig] Re: Amateur Radio at WTC relief effort

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 25 Sep 2001 19:37:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38531-2001.09.25-20.01.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff,

As usual, your tirade is off the mark and completely misses the point of
my post. Let's see if I can put it in simple enough terms for you to
understand.

ANYONE can be an IGate. Anyone with a receiver, computer, and TNC can
put an IGate on the Internet (you don't have to be an Amateur if you
don't transmit). How do you propose eliminating these IGates? How do
you propose eliminating alternate APRServe type networks that could be
set up by these non-Amateur IGates?

You are incorrect regarding "choice" being a part of Amateur Radio with
regards to who receives your signal. I can encourage certain areas to
receive my signal by designating a specific path, but band openings,
alternate retransmissions outside of the "spec", etc. can easily open my
signals for reception by anyone anywhere in the world. Asking that an
IGate be shut off for any purpose only presents a false sense of
isolation. As stated above, anyone can set up an IGate at anytime.

I am not against NOGATE or RFONLY. Whether they are part of the "spec"
is an issue for the WG and the specification SIG. Many IGate software
writers are beginning to implement them. Putting either of those in
your path will never guarantee that your signal will not be picked up
and repeated via the Internet or via RF. That is just the nature of
Amateur Radio, a public means of communication.

Emergency communications is covered well in the FCC regulations. It is
very clear that at no time is Amateur Radio to be used for "secure"
communications due to its public nature. Even the MARS organizations
recognize this fact by restricting communications to non-classified that
can be performed by radio amateurs involved in MARS activities.

Our thoughts and prayers are with those that have suffered due to the
events in NY, DC, and PA.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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600. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Jacques Voisin" <jvoisin@evcom.net>
Date: Tue, 25 Sep 2001 21:19:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38532-2001.09.25-20.40.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't understand where the beef is in this thread of argument. All I know
that many hams saw the destruction and misery generated by this terrorist
attack and put themselves on the line to help those who were less fortunate.
Ham volunteered their services from coast to coast and we all know that when
disaster strike we are ready and able. I myself was ready to go and bring my
mobile communication center which has all mode of communication including
APRS and Red Cross frequencies.
  All the guys who worked and are still working often in very harsh
conditions have to be commanded for what they are doing and I am sure that
New York Emergency Management had their disaster plan in action and all the
operators had their instructions on how to operate when serving different
organization that cannot talk normally to each other. Their messages were
almost always for immediate execution with no sensitive data. As Red Cross
Communication Chairman I know what the hams where used for and they do a
great job, the Red Cross did not only care for the victims and the evacuees
but also took care of the rescuers, with over 1200 rescuer on site plus the
evacuees and sheltered people there was also a whole fleet of supply truck
that had to be directed to the right place and the hams took care of that.
  Those guys helped and worked long hours so instead of arguing about who
can listen or not why don't we all get together and tip our hats to those
heroes.
  God Bless America

Jacques C. Voisin, N4JCV, AAR4JI
SKYWARN Manager Orange County, FL
ARC of Central Florida. Comm Chairman, Trustee N4ARC
ARES/RACES of Orange County, FL
http://evcom.net/~jvoisin/n4jcv.htm
e-mail: jvoisin@evcom.net or n4jcv@arrl.net

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601. [aprssig] Re: Amateur Radio at WTC relief effort

From: Jeff King <jeff@aerodata.net>
Date: Tue, 25 Sep 2001 21:26:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38533-2001.09.25-20.52.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AE5PL Lists wrote:

> Jeff,
>
> As usual, your tirade is off the mark and completely misses the point of
> my post.

Ah ok, so I must have been the "blind guy" you said in a prior posting was:
"blindly trying to severely restrict APRS activity simply because they are
afraid of the Internet and of the capabilities of APRS."

Thanks, I wondered who you were referring to in that last post. I'll see if
I can find a counselor to help cure my phobia.

> Let's see if I can put it in simple enough terms for you to
> understand.

I rather see it in succinct terms actually. You know, short and not stating the
obvious. Try making your point in the first sentence or paragraph and then
tie everything together at the end. It is hard enough following flame mail
let alone rambling flame mail.

> You are incorrect regarding "choice" being a part of Amateur Radio with
> regards to who receives your signal.

Great, document that claim. You won't be able to because I never said that nor
implied it. I was talking about the internet as was the fellow who started this
sub thread. That has nothing to do with propagation. The internet is not ham
radio. Just because something is "legal" doesn't mean it is something to aspire
to.

> I am not against NOGATE or RFONLY.

Fantastic. It took you five paragraphs to *not* disagree with me. Was there
a point here? Other then the previous hidden innuendo and now the not so hidden, I
don't get your point. Or was that your point?

-Jeff wb8wka

|--|
| Jeff King   248-471-1787 F 248-471-0279 e-mail: jeff@aerodata.net |
| |
| "They that give up essential liberty to obtain a little temporary safety|
deserve neither liberty nor safety." -- Benjamin Franklin, 1759

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602. [aprssig] Re: Amateur Radio at WTC relief effort

From: Jeff King <jeff@aerodata.net>
Date: Tue, 25 Sep 2001 21:44:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38536-2001.09.25-21.10.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jacques Voisin wrote:
>
> I don't understand where the beef is in this thread of argument.

Jacques:

Here is a link to the posting that started this sub-thread:

http://www.tapr.org/cgi-bin/lyris.pl?sub=18229&id=159951156

In a nutshell, a ham who had spent 10 days at the WTC/NYC area helping in the
relief effort relayed some of his experinces and also made a request/suggestion
that APRS I-net gateways have a method to stop RF packets from going to the
internet, in a automatic method.

The rest of the postings after that have been those arguing both for and
against this suggestion from a person who was actually on site.

Hope that helped.

Regards,

jeff

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603. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Alex <kr1st@amsat.org>
Date: Tue, 25 Sep 2001 21:40:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38542-2001.09.25-21.17.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I promised myself to keep it short. I'm sorry, I failed. :)

Mark D. gained some first hand experience in using APRS in this type of
an emergency. He learned that it would be desirable to have some means
to shut off the feed to the internet. At that time he had this need but
not the means. Whether or not the APRS community agrees with his reasons
for wanting to do so is rather irrelevant. For him the reason was
compelling enough to turn off his tracker and made APRS a less effective
tool unfortunately.

In addition to the reason Mark gave us to shut of the internet feed, one
could consider implementing RFONLY as a measure to control traffic. I
can imagine that a lot of people might be checking into WTC/Pentagon/PA
situation using the internet feed. There's of course nothing wrong with
that, but the situation changes when people feel compelled to send a lot
of messages to encourage the people at the scene. Even though it is well
intended, the result is not unimaginable that this traffic could have a
severe adverse effect on the local network....perhaps shutting the local
network down completely. Using RFONLY could help to obscure the stations
at the scene and perhaps prevent this situation from happening.

Of course one could (or even should) QSY during a local emergency to
prevent overload, but this might not be feasible if it's not practiced
or outlined in a disaster/emergency communications plan.

I think that it would benefit APRS if it would be as flexible as
possible so that it can deal with different kinds of situations. Adding
the RFONLY directive would give APRS the flexibility to offer an option
in this particular situation. Adding the RFONLY directive would merely
mean that there's another tool available which can be utilized when
necessary. Whether it is the best solution will be determined by the
situation at hand and not by our sometimes emotional arguments on this
list.

73,
--Alex

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604. [aprssig] Re: Amateur Radio at WTC relief effort

From: Jeff King <jeff@aerodata.net>
Date: Tue, 25 Sep 2001 22:02:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38546-2001.09.25-21.29.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jacques:

Opps... looks like TAPR put some security in the archive system.

Jeff King wrote:

> Here is a link to the posting that started this sub-thread:
>
> http://www.tapr.org/cgi-bin/lyris.pl?sub=18229&id=159951156

Doesn't work unless you know my password. Here is the relevent
part of the message again:

Mark Dieterich wrote:

> I just returned from 10 days
> down in the NYC area and know that there were serious issues with APRS being
> run at sensitive areas. Because the position of the stations was transmitted
> out over the air and then cataloged via findu.com, senstive information was
> released to the world. I presume that no harm was meant, but it is important to
> think of potential consequences before acting and to confirm with those in
> charge before setting up a station.

> I stand firm behind APRS and operate it constantly when I'm home, however, my
> car tracker was turned off while I was down in NYC to ensure I did not
> inadvertantly transmit any sensitive data. I believe that APRS can play an
> important role in disaster relief work, but I think we need to be careful about
> how it is used. I see a couple of needs, perhaps they are already met...

> 1. We need some way to turn off igate funcationality during a disaster. It's
> important to keep some of this information away from the internet. Perhaps an
> easy way to do this is run APRS disaster communcations on a different frequency.

> 2. We need some way to stop certain sites transmitting position data. They
> can still use APRS to send/receive messages and monitor other stations, we must
> be sure they don't transmit position data.

> All in all, I think the amateur radio community received a lot of good press.
> We received many letters, emails, and personal compliments from other people
> working on the relief effort.

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605. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: RMckni8527@aol.com
Date: Tue, 25 Sep 2001 22:09:09 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38547-2001.09.25-21.34.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/25/01 5:06:31 PM Pacific Daylight Time, wa7nwp@yahoo.com
writes:

>
> I still believe there is no place in APRS/Amateur Radio
> for this OPT-OUT, but that's just my opinion.   The existing
> system is in place, giving a nice false sense of security
> to the folks using it and isn't really hurting anything (if
> it isn't taken any farther). There are many many far more
> interesting projects and issues to spend time and energy on.
>

Bill, would you feel the same if the majority of people did indeed want to
opt-out, but had no mechanism to do so and thus shut off their APRS systems
entirely? It makes absolutely no difference whether there is a level of
security or not, the issue is the level of comfort someone has about using
the system. It's THEIR choice and decision to participate, and if they are
uncomfortable with gate'ing then isn't it better to let them participate at
that level instead of losing them entirely. So there may be some who view it
as security - fine, let them believe what they want and make the choice
instead of forcing them out. A lot of people still think SSL on the Internet
is far riskier than using a credit card at the mall or telling their
information to an order taker on the phone - should we eliminate those last 2
options because of the false sense of security it seems to offer the
uninformed shopper? I think not.

Why force everyone to gate their data to the Internet if they don't want to?
If they turn off their APRS the end result is the same as not gate'ing. I
didn't get my ham ticket to use the Internet, and if someone wants to "copy
my mail" then let them do it from RF where it originates. Maybe they'll
become interested enough to get their license so they can talk back! It's
not a security issue, it's a principal. I am a Ham because the Internet
won't be there when we need it the most. So why should I bother with it IF I
DON'T WANT TO? NO ONE HAS AN INHERENT RIGHT FOR ME TO PROVIDE THEM MY DATA
JUST BECAUSE THEY DESIGN A SYSTEM TO CAPTURE IT. I can't control who listens
to RF, but I should have a right to decide when another ham places it on a
web site automatically, all the time, without asking first.

I turned off my APRS system over a year ago, partially because of this issue.
 We're rapidly becoming a hobby of virtual communicators - hams with no
radios and no experience. Ask the folks in NYC how vital the Internet was to
the affected region? We both lived through the Seattle earthquake. I was
downtown when it happened and the streets were filled with tens of thousands
of people in sheer panic, mostly because their cell phones didn't work.
That's what Ham radio is supposed to be about, providing communications, not
distributing mostly useless data on the Internet to web junkies.

It's not a security issue, it's an issue of whether my fellow hams respect my
views (and give me as much consideration to choose to NOT gate if I decide)
as much as their desire to promote their own technology agendas.

73's
Ray -WB3ABN
Kingston, WA

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606. [aprssig] Re: Abit board?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 25 Sep 2001 21:14:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38549-2001.09.25-21.39.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:29 PM 9/25/01, Earl Needham wrote:

> Anybody have any opinions on the Abit KG7 RAID DDR
> motherboard? Looks like something I might want to use in my next machine...

Shameless Plug Mode: ON

As the owner of a computer consulting and repair firm, Compukota, I highly
recommend ABIT Motherboards. I use them and EPoX motherboards almost
exclusively. They are feature-rich, reliable, easy to configure, and are
well supported by the manufacturers

73,

Mark Fellhauer
KC7BXS
Compukota Computer Services

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607. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Hershel Saylor" <saylor@ori.net>
Date: Tue, 25 Sep 2001 21:27:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38551-2001.09.25-21.51.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, I have been scanning the posts on this topic but I seem to be missing
something major here.

What could possibly be sensitive info regarding an area near the WTC?
Was the percieved danger in the transmission of a radio amateur's location
or in a message that was sent regarding that location?

I must be creative challenged because I do not see the big picture in this
issue.

Hershel

> down in the NYC area and know that there were serious issues with APRS
being
> run at sensitive areas. Because the position of the stations was
transmitted
> out over the air and then cataloged via findu.com, senstive information

was
> released to the world. I presume that no harm was meant, but it is
important to
> think of potential consequences before acting and to confirm with those in
> charge before setting up a station.

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608. [aprssig] APRS' functional-premise

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Tue, 25 Sep 2001 22:43:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38553-2001.09.25-22.09.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The APRS service simply provides functions that the launcher of the
frame chooses. In effect, the launcher sends the frame with processing
instructions. The reason for doing so is immaterial. As long as the
decision doesn't "bring the network to it's knees" (ie R,R,R,R,R) this
is a good thing.

NOGATE or RFONLY is simply another tool for folks to use, as they see
fit. It's not unlike the heated discussions over what is "better":
RELAY,WIDE,WIDE or RELAY,WIDE2-2. It's a personal choice, thing...one
that may be dictated by local topography.

Choice is a good thing, when executed responsibly.

Ev, W2EV

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609. [aprssig] Are these Source Path Headers valid ??? Help !!!

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 25 Sep 2001 21:57:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38554-2001.09.25-22.14.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

I wrote my TNOSaprs based on the latest APRS Protocol at TAPR.ORG. I'm
seeing *ALOT* of stuff that has the following formats in the source path
header portion of the data coming from the APRS internet system :

   W9INX-7*/1
   WIDEX-X/1
   WIDE/1

and so on and so on. See the data below. Should I be accepting these
as valid paths ? As far as the spec goes, the answer is NO !!! But there
seem to be a fair number of them, so what do I do ?

What on earth does the /1 notation mean ? Should I pass it or reject it
?

KB9IBW-2>APU16M,W9INX-7*/1::N9KNJ   :Ok, tnx, tcpip is back up, n0els
is on now{02
KD4MRL>APW251,W4PLB-10*,AE4KO-10,WIDE3-3/1::W4KBW   :ack11}00
PY2DAK>ZZ2RMV-5*,PY2RN-15*,WI}MB7UIJ,APU24K,TCPIP*:=5325.97N/00118.89WIigate
Rotherham W4KBW>APR846,W4PLB-10,AE4KO-10,WIDE/1::KD4MRL   :ack003
KB9IBW>APU16M,W9INX-7*/1::NOELS   :test{00
W4KBW>APR846,W4PLB-10,AE4KO-10,WIDE/1:=2833.69N/08120.29W-000/000/Bob,
Orlando, FL
PY2DAK>ZZ2RMV-5*,PY2RN-15*,WI}MB7UIJ,APU24K,TCPIP*:=5325.97N/00118.89WIigate
Rotherham
N2OCW>APRX46,N3NRI-2,N3NBA-2,K3XY-3*,WIDE/1::K1RTV-7 :somewhat
slow{12}K
W4KBW>APR846,W4PLB-10,AE4KO-10,WIDE/1::KD4MRL   :?!?!?!?!?!?!?!{12}00
KD4MRL>APW251,W4PLB-10,AE4KO-10,WIDE3-3/1::W4KBW   :ack12}00
KB9IBW>APU16M,W9INX-7*,KB9IBW-2/1::NOELS   :test{01

N2OCW>APRX46,N3NRI-2,K3GLK-4,WA3DTV-2,K3ATI-12*/1::K1RTV-7 :somewhat
slow{12}K
N2OCW>APRX46,N3NRI-2,K3XY-3*,WIDE,WIDE/1:=3937.33N/07813.49W-000/000/Berkeley
Springs, WV N0OOR-7>APK001,RELAY*,WIDE,KC5GOI/1::N0TWP-14 :OK BILL TRY
TO SEND A MSG TO HOME QTH{5
KB9IBW>APU16M,W9INX-7*,WIDE5-5/1:=4108.19N/08504.65W`ALLEN CO/ST JOE
TWSP:TAWG 09 {UIV23}
W6ARE>APR844,K6IXA-3*,WIDE2-2/V::WA6YLB6 :good morning byron noticed
your traker N0OOR-7>APK001,RELAY*,WIDE,KC5GOI/1::N0TWP-14 :OK BILL TRY
TO SEND A MSG TO HOME QTH{5
AI4CW>APR848,W4GPS-7*/1::N8DEU   :Yes, it sure is! I'll be on the roof
taking them down W5ADC>APS199,RELAY,WIDE/1::WA0D-2   :Hi, you still
mobile?{00}
AI4CW>APR848,W4GPS-7*/1::N8DEU   :Yes, it sure is! I'll be on the roof
taking them down N9KNJ>APR842,W9INX-7*,WIDE,WIDE5-5/1::KB9IBW-2 :ack08
K7UHP-15>APS200,PROMTR*,WIDE3-3/V::N7OI-15 :146.980 - (how was
dinner?){1d}

73 Maiko / VE4KLM

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610. [aprssig] Re: IGATE help Maryland for N3HGB-5

From: Robert Kirk <isobar@mail.cablespeed.com>
Date: Tue, 25 Sep 2001 22:48:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38555-2001.09.25-22.18.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:04 PM 9/25/01 -0400, Joe Della Barba wrote:
>I have my tracker on my boat transmitting every few minutes and it is not
>getting to FINDU. I don't know why not, there seem to be plenty of other
>stations getting in. I am about 3 miles or so from AA3JY-4-4 running from a
>masthead antenna, so I should show up someplace. Any ideas?
>Thanks
>Joe
>73 DE N3HGB

You're showing up in Castle Marina now (10:50pm). But don't feel bad, i
think the IGATE coverage around here is generally poor even though AA3JY-4
has excellent rf coverage. Maybe I should IGATE if I tried to figure out
how to do it.

Bob Kirk
N3OZB

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611. [aprssig] Re: IGATE help Maryland for N3HGB-5

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Tue, 25 Sep 2001 23:47:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38566-2001.09.25-23.11.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe -

Try this link

http://64.34.101.121/cgi-bin/find.cgi?N3HGB-5

I assume this is your boat since it shows up in a cove off the Chester River.
Here's the header I received at about 2340.

                                                    Position of N3HGB-5

                                          12.9 miles northeast of

ANNAPOLIS, MD

Report received 23 minutes 44 seconds ago

Rawpacket:N3HGB-5>APRS,KV3B-1*,WIDE2:$GPRMC,031852.84,A,3859.2708,N,07617.0653,W,00.0,000.0,260901,10.,W*69

Charlie

Joe Della Barba wrote:

> I have my tracker on my boat transmitting every few minutes and it is not
> getting to FINDU. I don't know why not, there seem to be plenty of other
> stations getting in. I am about 3 miles or so from AA3JY-4-4 running from a
> masthead antenna, so I should show up someplace. Any ideas?
> Thanks
> Joe
> 73 DE N3HGB
>
> ---
> You are currently subscribed to aprssig as: crahe@infi.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
[Attachment: crahe.vcf; text/x-vcard; 232 bytes]

612. [aprssig] Re: IGATE help Maryland for N3HGB-5

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Wed, 26 Sep 2001 00:06:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38573-2001.09.25-23.30.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What path are you using ? If you're using wide2-2, you might try
relay,wide,wide.

Joe Della Barba wrote:

> I have my tracker on my boat transmitting every few minutes and it is not
> getting to FINDU. I don't know why not, there seem to be plenty of other
> stations getting in. I am about 3 miles or so from AA3JY-4-4 running from a
> masthead antenna, so I should show up someplace. Any ideas?
> Thanks
> Joe
> 73 DE N3HGB
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
[Attachment: crahe.vcf; text/x-vcard; 232 bytes]

613. [aprssig] Fw: Re: IGATE help Maryland for N3HGB-5

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 26 Sep 2001 00:18:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38575-2001.09.25-23.43.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> ----- Original Message -----
> From: "Charles H. Rahe, II" <crahe@infi.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, September 26, 2001 12:06 AM
> Subject: [aprssig] Re: IGATE help Maryland for N3HGB-5
>
>
> > What path are you using ? If you're using wide2-2, you might try
> > relay,wide,wide.
>

Or maybe not ... for example, the last time I was in that area the N3KNT
WIDE would not accept RELAY as an alias ....

Again, the alchemy of PATH's! ;-)

73,

Stephen
W3SMK

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614. [aprssig] Re: Amateur Radio at WTC relief effort "Sensitive Information"???

From: "Bill Kearns" <billk@inland.net>
Date: Tue, 25 Sep 2001 22:09:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38597-2001.09.26-00.34.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hershel, i heartily agree with you.

let me explain.

"Sensitive Information"???
APRS postion reports, from the WTC disaster site, equals "sensitive
information"??

OK, if so, then how would you describe, and what wording would you use, to
describe the live Video that was also broadcast 'simultaneously' along with
the so-called
aprs packets "sensitive information" --- this video was broadcast world-wide
on television networks...
a much more wider spread medium that the internet! and we are talking
actual live
video...not mere position reports of some ham's aprs mobile!

do you really believe that those cameramen, both the pros and the amateurs,
did they both
(using your words)
"think of potential consequences before acting and to confirm with those in
charge before setting up a station." ??

i think that the lat and lon of the WTC is well known around the
world......postion reports from some
ham's mobile in this situation is insignificant.

....the term "Sensitive Information", when used in this context, is
laughable.

bk

>> Because the position of the stations was
>> transmitted
> > out over the air and then cataloged via findu.com, senstive information
>> was
> > released to the world. I presume that no harm was meant, but it is
>> important to
> > think of potential consequences before acting and to confirm with those
in
> > charge before setting up a station.

> What could possibly be sensitive info regarding an area near the WTC?
> Was the percieved danger in the transmission of a radio amateur's location
> or in a message that was sent regarding that location?
>
> I must be creative challenged because I do not see the big picture in this
> issue.
>
>   Hershel

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615. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 25 Sep 2001 23:29:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38616-2001.09.26-01.55.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The APRS Internet System (APRS/IS) was designed to be transparent to the RF users, meaning no special routing was required. Gettings ones packets from and to an IGate reliably, is all that is required to make the the system work. RFONLY was not in the original APRS/IS design. The system is up an running. Even it it RFONLY were added to the spec, it would be foolish the believe that having RFONLY set would actually mean RFONLY. Understand the system, use it where it is appropriate. Don't use it if your requirements does not fit the system. Brent KH2Z

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616. [aprssig] Re: aprssig digest: September 25, 2001

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 25 Sep 2001 23:32:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38617-2001.09.26-01.57.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

These come from Dual port TNCs. You can see /1, /2, /V and /H. Some TNCs prepend the port "p1 packet", "p2 packet". Brent KH2Z

Subject: Are these Source Path Headers valid ??? Help !!!
From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 25 Sep 2001 21:57:04 -0500
X-Message-Number: 58

Greetings,

I wrote my TNOSaprs based on the latest APRS Protocol at TAPR.ORG. I'm
seeing *ALOT* of stuff that has the following formats in the source path
header portion of the data coming from the APRS internet system :

W9INX-7*/1
WIDEX-X/1
WIDE/1

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617. [aprssig] Street Atlas USA DELUXE

From: William Nolle <wa8inz@earthlink.net>
Date: Wed, 26 Sep 2001 03:24:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38619-2001.09.26-03.48.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone running street atlas usa DELUXE yet.
I would like to find out if some of the grave errors in my area have
been fixed
before ordering this version. Can anyone help.

Bill wa8inz

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618. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 26 Sep 2001 06:08:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38621-2001.09.26-05.35.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It really doesn't matter.

The issue that started this whole discussion is that someone in a
position of authority 'perceived' that they would be better off if
certain support positions AFTER the attack were not made
public.

That's a SECURITY issue, and right or wrong, correct or incorrect,
ill-conceived or not, it was a decision made by someone in a position
to make that decision.

In this case, whether we agree or not, we should as HAMs adhere
to the decision, right?

I'm NOT debating the merits of the decision. I'm not debating the
merits of any kind of routing control.

What I was saying, and this has been distorted somewhat, is that if
this decision is made, to adhere to it we would have to NOT TRANSMIT
position info at all. NOT think that we would be complying with the
request by any kind of RF routing gate or other software AFTER the
stuff was already put on the air.

Mike

----- Original Message -----
From: Hershel Saylor <saylor@ori.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, September 25, 2001 10:27 PM
Subject: [aprssig] Re: Amateur Radio at WTC relief effort

> OK, I have been scanning the posts on this topic but I seem to be
missing
> something major here.
>
> What could possibly be sensitive info regarding an area near the WTC?
> Was the percieved danger in the transmission of a radio amateur's
location
> or in a message that was sent regarding that location?
>
> I must be creative challenged because I do not see the big picture in
this
> issue.
>
>   Hershel
>
>
> > down in the NYC area and know that there were serious issues with APRS
> being
> > run at sensitive areas. Because the position of the stations was
> transmitted
> > out over the air and then cataloged via findu.com, senstive
information
> was
> > released to the world. I presume that no harm was meant, but it is
> important to
> > think of potential consequences before acting and to confirm with
those in
> > charge before setting up a station.

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619. [aprssig] dr-135 alinco

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 26 Sep 2001 07:59:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-38633-2001.09.26-07.23.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone please contact me off sig and tell me how they like their dr135tp ... what are the particulars about the theft alarm feature and the ignition on wire, etc.... I sure wish they had their manual online.

Wes

620. [aprssig] Re: RFONLY/APRS/some ideas

From: Alex <kr1st@amsat.org>
Date: Wed, 26 Sep 2001 08:29:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38635-2001.09.26-07.47.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brent Hildebrand wrote:
> RFONLY was not in the original APRS/IS design. The system is up an running. Even
> it it RFONLY were added to the spec, it would be foolish the believe that having
> RFONLY set would actually mean RFONLY.

Foolish is that a system would be designed so that the system could not be adapted to future requirements. Whatever the original design was (and I would LOVE to see the actual design i.e. the spec) we should allow ourselves the freedom to change the system to whatever the needs are, and fortunately that happens. Sure, it would take time before certain changes take effect on a larger scale, but should that stop us from advancing the system? Ironically, natural disaster emergencies often inherently mean RFONLY since the internet would probably not be available anyway.

In Mark D's situation I think it would have been nice if he had something he could try rather than just simply having to pull the plug on APRS.

73,
--Alex

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621. [aprssig] How to install Linux Satellite Tracking

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 26 Sep 2001 22:33:41 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38637-2001.09.26-07.58.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What does it do ?

1. Puts a huge globe on the Linux desktop and puts satellites on the globe
at 15 second updates.
2. Predict calulates the sats and acts as a server, UDP port 1210
3. earthtrack grabs the info from predict as UDP packets
4. earhtrack uses xearth to draw and globe and put sats on it
---

What do you need ?

1. Linux 6.2 or better
1. predict-latest.tar.gz for Linux
2. earthtrack (comes with predict archive)
3. xearth-1.1.tar.gz

What do you do ?

Login as ROOT

Predict

1. "tar xvfz predict-latest.tar.gz" (will create all directories and files)
2. "cd predict"
3. type "./configure" in the predict directory
4. cd to /etc/ edit your "services" file, add "predict 1210/udp" (using
some sort of text editor anywhere in the file, I put mine at the end)

```
Earthtrack

1. "cd predict"
2. "cd clients"
3. "cd earthtrack"
4. "make all"

xearth

1. "tar xvfz xearth-1.1.tar.gz"
2. "cd xearth-1.1"
3. "cp Makefile.DIST Makefile"
4. edit Makefile to reflect where your xlibs are located , eg
/usr/X11R6/lib/ with "-L/usr/X11R6/lib" next to the LRDF = in the Makefile
5. "make all"
6. this should make a file called xearth
7. copy xearth to /usr/bin/ (or soemwhere where linux knows to look to run
files)

Ok now you should have:-

Predict
earthtrack
xearth
--------------------------------------------------------------------------
--------------
Running it all

Predict as a server (run first)

1. Open a command line window in linux
2. cd to where predict is installed
3. Run predict and configure it with you callsign, lat, long and altitude.
type "./predict", then exit predict (Q)
4. type "./predict -s" this should run in multisatellite mode and is now
acting as a server.

earthtrack (run second)

1. open a command line window in linux
2. "cd predict"
3. "cd clients"
4. "cd earhtrack"
5. type "./earthtrack -h -u 15" (draw me a glode, my home in the center,
update every 15 mins)
6. if earthtrack can't find xearth, it will say "sh: xearth command not
found"

You should have a globe !

--------------------------------------------------------------------------
--------------

Hope this helps

I love it !

Andrew Rich VK4TEC
Brisbane Australia
andrew.rich@bigpond.com

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```

622. [aprssig] Kodiak Star Delayed by Solar Storm

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 08:50:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38643-2001.09.26-08.15.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: LTCL Smith

The launch of the Kodiak Star Athena I carrying PCSat and Sapphire...will
not occur before Saturday 29 Sept. The coronal mass ejection flared again,
driving 10MeV proton flux to 1200 times maximum allowable levels. There is
a 30% chance of yet another flare, driving flux levels even higher. This
is the second largest event since records have been kept (30 years).

Chances of NOGO on the launch are 100% Wed, Thurs, Fri, 80% Sat-Sun, and
60% Mon-Tues. Terrestrial weather deteriorates Wed but recovers for the
weekend.

Respectfully,
Lt Col Billy Smith

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623. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 09:06:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38645-2001.09.26-08.31.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Also, we need a MINIMIZE-N directive.
The military uses the term MINIMIZE to immdeiately cause all routine
message traffic to cease, and then routes messages by priority.

I can see a directive called MNIMZE-N being useful setting MINIMIZE in
effect within N hops of the originator of the MINIMZE request. Or
something like that. Or the N could say no hops greater than N allowed,
etc.. The transmission of Minimize would be password protected so that it
could only be originated by persons designated as being in the position of
declaring such an amateur communications need...

Just a thought to also put on the table. I have said before, that I am
willing to give up one (or 2) of the bits in SSID ROuting for the purpose
of allowing 2 (or 4) levels of precedence to APRS packets. Something like
this:

  ROUTINE - Routine fixed position reports
  PRIORITY - Messages, mobile position reports
  IMMEDIATE- Specific messages and Mobile position reports
  FLASH   - Urgent traffic and Comm/network directives.

Or something like that... I do feel that we need these precedence bits so
that APRS in general can separate the wheat from the chaff... under
varying conditions of need...

Bob

On Tue, 25 Sep 2001, Alex wrote:

> In addition to the reason Mark gave us to shut of the internet feed, one
> could consider implementing RFONLY as a measure to control traffic. I
> can imagine that a lot of people might be checking into WTC/Pentagon/PA
> situation using the internet feed. There's of course nothing wrong with
> that, but the situation changes when people feel compelled to send a lot
> of messages to encourage the people at the scene. Even though it is well
> intended, the result is not unimaginable that this traffic could have a
> severe adverse effect on the local network....perhaps shutting the local
> network down completely. Using RFONLY could help to obscure the stations
> at the scene and perhaps prevent this situation from happening.
>
> I think that it would benefit APRS if it would be as flexible as
> possible so that it can deal with different kinds of situations. Adding

> the RFONLY directive would give APRS the flexibility to offer an option
> in this particular situation. Adding the RFONLY directive would merely
> mean that there's another tool available which can be utilized when
> necessary. Whether it is the best solution will be determined by the
> situation at hand and not by our sometimes emotional arguments on this
> list.

> Alex

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624. [aprssig] Re: Are these Source Path Headers valid ??? Help !!!

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 09:10:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38646-2001.09.26-08.35.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Sep 2001, Maiko Langelaar wrote:

> I wrote my TNOSaprs based on the latest APRS Protocol at TAPR.ORG. I'm
> seeing *ALOT* of stuff that has the following formats in the source path
> header portion of the data coming from the APRS internet system :
>
>   W9INX-7*/1
>   WIDEX-X/1
>   WIDE/1
>
> and so on and so on. See the data below. Should I be accepting these
> as valid paths ?

Yes, these are from Dual Port TNC's and they mark the port heard as shown
above.

bob

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625. [aprssig] Re: Amateur Radio at WTC relief effort

From: Mark Dieterich <n2pgd@arrl.net>
Date: Wed, 26 Sep 2001 09:18:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38649-2001.09.26-08.43.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wow, did I ever open up a can of worms... Here's what I take away from the
discussion so far and my comments:

- Many people have asked why certain sites were considered sensitive, the
fundamental reason was that they were sensitive because the Red Cross and
other government agencies told us to treat them as sensitive. The ham radio
community was there to serve these agencies and do as we are instructed. It
does not matter whether the operators felt these sites truly merited being
classified as sensitive or not, we must try our best to operate in a manner
parallel to the request. It is paramount that people helping out in such
situations think about consequences of their actions and if they have any
doubts err on the side of caution.

- I realize that amateur radio is not secure, everybody should if they stop
and think for a while. I don't expect security with APRS, I would just like
to see options for controlling where my data goes. I'd also like to see the
option of suspending position transmissions (I gather some of the client apps
can already do this). Both of these options need to be controlled via the
client, since it is unreliable to expect all internet gateways to filter
packets properly. At the moment, it appears as though the easiest way
to ensure data is not automatically transmitted to the internet is to use a
different frequency. The downside of this would be a disaster team either needs
to set up their own digipeaters or convince the local digipeaters to switch
frequencies also.

- I'm not trying to force any new standards, rather I just wanted to inject some after the fact comments. My hope is that we can sit back, think about our current system, what role it played in the disaster, and how we can improve the role of APRS in future disasters.

As the amateur role in the WTC disaster is coming to an end, I'd like to thank everybody who helped out. I know of approximately 500 amateurs who were involved in the communications effort, many of these working 18+ hour days. Thanks for your tireless efforts!

73,

Mark

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626. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 26 Sep 2001 08:32:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38651-2001.09.26-08.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>The APRS Internet System (APRS/IS) was designed to be transparent to the =
>RF users, meaning no special routing was required. Gettings ones =
>packets from and to an IGate reliably, is all that is required to make =
>the the system work. RFONLY was not in the original APRS/IS design. =
>The system is up an running. Even it it RFONLY were added to the spec, =
>it would be foolish the believe that having RFONLY set would actually =
>mean RFONLY. Understand the system, use it where it is appropriate. =
>Don't use it if your requirements does not fit the system. Brent KH2Z

But the system is dictating our usage when it previously did not exist. Thus the system has forced a particular mode of operation to have consequences that many appear to object too. Standing up and saying "If you don't like what I do with your public transmissions, stop transmitting" is close to terrorism in the sense that fear is being imparted with an overbearing attitude and a denial of choice on how to react.

This attitude seems to be a control freak attitude. "Now that we're in control of your packets, you have to play our way or not at all."

I know that there is no guarantee of where our packets go, but for the amatuer community to have such an attitude towards fellow hams is just down right rude and disrespectful. If there are non-hams using scanners and computer sound cards to suck packets out of the air and direct them elsewhere, that is the choice of those people and we can't do anything about it.

But the APRS amatuer community really ought to learn to work together. As I have only participated in this hobby for a few years, my perspective is limited. However, after reading perhaps 80% of the traffic that has come through this list in that time, it is clear to me that there are in fact people participating here who's who point is to state "MY way or the highway" because they believe that their ideas and concepts are the only acceptable ones. They won't listend and since they are in control of standards, servers or software, they'll get their way... for the short term...

This is truely a sad, non-professional and disrespectful state of affairs...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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627. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 09:34:59 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38652-2001.09.26-08.59.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Sep 2001, Brent Hildebrand wrote:

> The APRS Internet System (APRS/IS) was designed to be transparent to
> the RF users, meaning no special routing was required. Gettings ones
> packets from and to an IGate reliably, is all that is required to make
> the the system work. RFONLY was not in the original APRS/IS design.
> The system is up an running. Even it it RFONLY were added to the
> spec, it would be foolish the believe that having RFONLY set would
> actually mean RFONLY. Understand the system, use it where it is
> appropriate. Don't use it if your requirements does not fit the
> system. Brent KH2Z

I think APRS should evolve to meet the needs of amateur radio. I do
believe that we should take advantage of routing options and choice.
I recognize full well that it will take years to arrive at a new network
that does what we all want, but I do not think that should prevent us from
working up what we think it should do.

I like the concepts of NOGATE, RFONLY, MINIMIZE and PRECEDENCE and others.
Most other well planned and thought out communications systems address
these issues and provide for them. I dont see why we should not also
include them in our design. This is NOT a security issue and never should
be considered as such. It is just offering the user options in his
routing...

I frequently send packets that range from URGENT to ROUTINE to QRM and
TESTing. In each case, as the originator, I would like to choose the
routing option appropriate for each one...

de WB4APR, Bob

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628. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 09:45:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38656-2001.09.26-09.10.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, Mike Yetsko wrote:

> The issue that started this whole discussion is that someone in a
> position of authority 'perceived' that they would be better off if
> certain support positions AFTER the attack were not made
> public.

I fully agree. But why is it so hard to simply tell the APRS operator
to either set a 10 mile ambiguity circle or to turn off his Position
packet? Geeze, this is like saying that you cant use any radios at an
event because someone might say where they are?

I think the lesson we have learned is that the majority of Amateur
Radio Operators still do no understand what APRS is or what it is good
for. We must continue to convey what it is:

1) APRS is a communication system. Not just a position reporting system.
2) APRS does not send a position report if not desired or needed.
3) Positions ICONS can be replaced by ambiguity circles where the
   precise postion of any person, object or station is not known
   precisely. THese circles are 1/10th, 1, 10, and 60 miles.
   THey can be used to show approximately where someone is for the
   purpose of network connectivity, while not conveying missleading
   position data where accuracy is not known.

For example, I often travel with just my THD7 HT. I simply look up the
LAT/LONG of the area I will be in and enter it with a 10 mile ambiguity
into the radio. Thus, you can see when I arrive in StLouis, but I am not
wronglfully putting out a precise position, when I dont know for sure
exactly where I am when I am there...

de WB4APR, BOb

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629. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Wed, 26 Sep 2001 09:13:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38659-2001.09.26-09.38.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I really like this... A MINIMIZE directive is a real benefit.

Bob Bruninga wrote:
>
> Also, we need a MINIMIZE-N directive.
> The military uses the term MINIMIZE to immdeiately cause all routine
> message traffic to cease, and then routes messages by priority.
>
> I can see a directive called MNIMZE-N being useful setting MINIMIZE in
> effect within N hops of the originator of the MINIMZE request. Or
> something like that. Or the N could say no hops greater than N allowed,
> etc.. The transmission of Minimize would be password protected so that it
> could only be originated by persons designated as being in the position of
> declaring such an amateur communications need...

73, gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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630. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 10:20:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38661-2001.09.26-09.44.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone asked:

> [ALTNETS] is a new one on me. Where do you set this parameter?
> Although it wouldn't have solved [the] problem, I can see it being very
> useful in the future.
>
> > That is why from day one, APRS has had ALTNETS. If everyone in an "event"
> > or Situation" would set to a common ALTNET, then their software would ONLY
> > see others using the same ALTNET... and no others.

In APRSdos, just hit alt-S-SETUP-MODES-altNet

In the Kenwoods just dial to the APRS\UNPROTOCOL menu and change it from
APKxxx to whatever you want to use as your ALTNET.

CAUTION!!! WARNING!!! Since the kenwoods (like all APRS programs) normally
use the APKxxx callsign as a way to identify their software version
number, if you EVER change the Kenwood, remember what it was, so you can
put it back at the end of your event...
THe Kenwood version numbers I think are:
 APK001 for the original D7
 APK002 for the recalled model
 APK100 for the D700

Once you set anything other than something beginning with APxxxx, then
your system should ignore most other packets. THere are exceptions:

1) Your system should still accept and respond to incoming messages

2) Dumb trackers and most mobiles should still get through (you
   want to see all APRS mobiles in your area whehter they are yours or
   not...usually...
3) Other exceptions depend on the particular authors choices?

NOTICE, some software versions do not respect ALTNETS at all and will
still show all packets from all users all the time unless the receipent
actively makes an effort to filter them...

Hope that helps.

de WB4APR, Bob

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631. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 26 Sep 2001 10:21:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38663-2001.09.26-09.45.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>

> On Wed, 26 Sep 2001, Mike Yetsko wrote:
>
> > The issue that started this whole discussion is that someone in a
> > position of authority 'perceived' that they would be better off if
> > certain support positions AFTER the attack were not made
> > public.
>
> I fully agree. But why is it so hard to simply tell the APRS operator
> to either set a 10 mile ambiguity circle or to turn off his Position
> packet? Geeze, this is like saying that you cant use any radios at an
> event because someone might say where they are?
>
> de WB4APR, BOb

Well, yes, that's close.

First off, your other points were good, but that's not what I'm
specifically
addressing.

The turning off of positioning is the key element here.

What I am addressing is the situation that someone in some position of
authority felt uncomfortable with the information 'going out'. Now, if
they
were uncomfortable with that info going out, that meant that they felt
there
was some kind of 'local' reason, right?   Like was pointed out, the
location
of major landmarks in NYC is common knowledge, so they were
uncomfortable with LOCAL specific information going out.

That implies they were concerned about something LOCAL being done
with that information.

Now, is it reasonable to assume that if they were concerned that someone
was still in the area 'observing'? If they are afraid there might be a
local actor that can actually DO something, it's even more plausible
there's
a local observer, right?

So, what good does it do to restrict the information going on the
internet
where it could be seen 7000 miles away but at the same time still have
it being broadcast on the airways locally for anyone with a pocket
scanner
and a laptop with a sound circuit to watch.

OK, it's farfetched. But then, is it less farfetched than thinking
there might
still be someone around to perform another act of violence? Besides,
the possibility of that is NOT the call of HAMs to make, it's for the
other
people in charge to make. And HAMs should honor their wishes, NO
MATTER WHAT!

The debate on routing and forwarding control is not really the issue.
That
has it's own merits for debate. But, in this case an act of violence
was
done, with a possibility of follow-up acts. People in charge expressed
concern over certain information being POSSIBLY available to those that
might POSSIBLY perform a follow-up act. Or maybe even just concern
over the fact than an observer with ties to the attackers was just
watching
to gather information. REGARDLESS of the motivation, the decision
was made to limit the information that might be available to any kind of
observer.

MY point in this was that the discussion on gating and routing of
packets
really has NO place at all when trying to comply with this request.
Sure,
we could SAY that we're complying and not letting the info go to the
internet, but when we put it on the air we are shouting in a crowded
room
without regard to who may be listening. In that regard, once the
request
was made, the HAMs involved should have immediately SHUT DOWN
the transmitting of position information on the air. PERIOD!

This is the kind of activity where, as you said, APRS can be used for
all
kinds of things besides just position info. But just imagine the
backlash
at the HAM community if the criminals that performed this act decided to
'follow up' with a second blow. Suppose they never in their wildest
dreams
thought the towers would come down, but thought instead there would be
injuries that would require staging, and planned on a 'follow up' blow
to
the staging areas just for the 'climate of terror' it would create. Now
think
of what the backlash would be if it was found that these people had
scanners and information to look at HAM traffic to assist in their
attack?
Even if there wasn't one shred of evidence that terrorist actually GOT
any
info from anything associated with HAM radio, just the fact that they
were
looking at it would put all the HAM radio activities under a public
microscope. THEN if it were ever revealed that someone in authority
had actually requested info to be restricted but someone made the
decision to put it on the air just not on the internet? I think we'd
see a
public backlash that would PERMANENTLY damage the hobby!

I know, what are the chances, right?

What were the odds you could have gotten on September 10th that the
towers would be down the next day?

Mike

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632. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 10:22:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>

Message-ID: <LYR842-38664-2001.09.26-09.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone asked:

> [Position AMbiguity] is a new one on me. Where do you set this
> parameter? Although it wouldn't have solved [the] problem, I can see
> it being very useful in the future.

I am not familliar with how you set it in each software version, or even
if it was implemented in them... In the kenwoods, just dial in the
APRS/AMBIGUITY menu. In APRSdos, just enter any POSIT with only the
precison you have.

  3859.__ is to the nearest mile
  3859.1_ is to the nearest 10th of a mile
  3859.12 is precise to 60 feet
  385_.__ is to the nearest 10 miles
  38__.__ is to the nearest 60 miles

Just put SPACEs where you lack precision in either the LAT or LONG.

IN fact, APRS began with Position Ambiguity, because back in 1991 when we
first added Position reporting and map plotting to my connectionless
emergency communications protocol, in many cases we did not konw the
positions of our boats and other objects with any real precision. So
position ambiguity is NOT to MASK or HIDE people, it is there to show that
not all POSITIONS are known ACCURATELY.

Thus, APRSdos only showed a postion as accurate as the originator entered
it. It he said he was at 38 degrees 59 minutes north and 73 degrees
29 minutes west, then he is drawn as a 1 mile diameter circle around that
point. To plot him at 3859.00 and 07629.00 is just plain WRONG. It
implies precision where precision does NOT EXIST.

Many recent APRS versions still do not support the display at the
RECEIVE end when a position is not accurate. The term POSITION
AMBIGUITY was invented as the formal way to describe this lack
of position precision.

Hope that helps

Bob

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633. [aprssig] Re: Amateur Radio at WTC relief effort

From: Phil Reed <preed@dnaco.net>
Date: Wed, 26 Sep 2001 10:26:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38666-2001.09.26-09.55.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

At 09:45 AM 9/26/2001 -0400, Bob Bruninga wrote:
>On Wed, 26 Sep 2001, Mike Yetsko wrote:
>
> > The issue that started this whole discussion is that someone in a
> > position of authority 'perceived' that they would be better off if
> > certain support positions AFTER the attack were not made
> > public.
>
>I fully agree. But why is it so hard to simply tell the APRS operator
>to either set a 10 mile ambiguity circle or to turn off his Position
>packet? Geeze, this is like saying that you cant use any radios at an
>event because someone might say where they are?

Obviously, we need either better training in the tools we have, or better
documentation.

Despite our feeling that the request is silly, if we're responding in a
support role to some agency, and that agency requests something, it's our

job to support that request. Otherwise, we might as well not bother being
there. (Because if we don't support their request, they won't ask us back
the next time.)
- ---

...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

iQA/AwUBO7Hli4l0VBXuaP/UEQJgvgCgqn6sRNKY3CX3qnELvxvMKyYUscwAn1X0
EvhF9msoRm4v2Kg60x2OQiSE
=9YuG
-----END PGP SIGNATURE-----

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634. [aprssig] Fw: Fw: Staten Island and the FCC

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Wed, 26 Sep 2001 10:34:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38669-2001.09.26-10.00.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gentlemen,

Would you please look this email over and let me know of your opinion. I
feel that if Mehndelsohn gets his way this could mean the end of APRS in any
"athon" anywhere in the country.

I do know that Mehndelsohn has a downer on packet and has refused its use in
the past so this could be a personal thing.

Your comments would be greatly appreciated.

Mark Phillips KC2ENI

----- Original Message -----
From: "Charles Hargrove" <n2nov@tellurian.com>
To: <fccham@fcc.gov>
Sent: Wednesday, September 26, 2001 10:08 AM
Subject: FW: Staten Island and the FCC

 I received a copy of the following email concerning the use of
APRS units on buses carrying runners form the start of the NYC
Marathon. As you will remember in our conversation with Bill
Cross after the FCC Forum at this year's Dayton Hamvention,
you indicated that as long as the packets were identifying
with a valid amateur call (mine), had a time-out timer in case
of a key-down situation (two in fact - Tiny Track and built
into the HT), that it was really not a problem as it was akin
to a repeater or packet bbs system. You also indicated that
a conversation with the ARRL leadership to explain it to
Mr. Mehndelsohn was probably a good idea. I am not trying to
deliberately go against Mr. Mendelsohn's strong feelings of using
any kind of packet during the NYC Marathon. I just saw a viable
use of an amateur radio technology for use in a 20 minute bus
ride from midtown NYC to Staten Island to keep tabs on buses
which had gotten lost in the past and we did not have enough hams
to spare to put on them. My office number is 212-889-0932.

From: Stephen.A.Mendelsohn@abc.com
To: asteinfeld@nyrrc.org,
Subject: FW: Staten Island and the FCC
Date: Mon, 10 Sep 2001 15:03:05 -0400

Hi Allan. I have an issue that I need your help resolving.

You may remember that when we arrived at Staten Island last year
we found a computer set up that seemed out of place with the radio
net control equipment.

I ask Charles Hargrove, N2NOV, the S.I. radio coordinator, what it was. I was told it was an Automatic Packet Radio Tracking (APRS) System and that 3 unmanned APRS trackers had been put aboard the last buses that leave from the New York Public Library. They were put aboard so that the buses could be tracked.

Previously to Marathon day I had discussed implementation of this concept with Mr. Hargrove and told him that a human being could more easily achieve the goal of telling us where those buses were.

Charlie mentioned that the devices had been used in other events throughout America and I reminded him that unlike many other areas, New York City has street signs on ever corner that a person can read.

I felt that was the end of the discussion and we went on to more fruitful things such as positions and recruiting.

I was quite surprised to see that he had apparently gone to the NYRRC and received funds to build the devices, knowing that I did not want to use them and had decided to implement them in spite of my desire to use people instead of equipment.

When the first tracker came online, the radio call sign was a tactical call sign; "bus-1". There was no radio operator on the bus because you and I had discussed the issue and you felt that the bus companies radio would be all that was needed.

The person at the radio control position on Marathon day was Ralph Haller, N4RH, former FCC Wireless Radio Bureau Chief, and the man who knows more about our rules than anyone else in the world as he was in charge of writing and implementing them for over 10 years.

Ralph questioned the use of an unmanned device with a non-amateur call sign being used in the event and suggested to me that the equipment be shut down. I asked Mr. Hargrove to do this and was told that there was no operator onboard the bus to shut the equipment down.

Ralph was less than pleased and suggested to me that the Marathon Committee didn't have control over Mr. Hargrove's activities. I could not disagree.

The following Tuesday, I received a call from Mr. Riley Hollingsworth, Special Counsel for Amateur Radio Enforcement. Riley was adamant in his comments that the Marathon was a very high visibility event and such violations of
the law would be severely dealt with should they be repeated.

Over a period of 4 months, I revisited the episode with Mr. Hollingsworth in an attempt to get him to soften his concerns. By the time he and I
talked in early 2001 his only request was that I "keep a handle on things and keep them legal", but threats to have a monitoring crew in New York specifically to see if there was a repeat of the APRS incident were gone.

In early July, I discussed this with Mr. Hollingsworth formally, as Communications Coordinator and he called Bill Cross, W3TN, Rules Branch Chief for
Amateur Radio to get an official ruling. I discussed this with Bill at the ARRL
Board of Director's meeting in July. Enclosed is Bill's ruling.

I have heard through the Amateur Radio grapevine that Mr. Hargrove intends to put 7 unmanned trackers aboard buses again this year. The New York
City Marathon is too high visibility an event to allow this man to violate the law
at will simply because he has decided to do so.

I need your help in stopping this effort for the good of the event and for the reputation of Amateur Radio in the Marathon.

Please understand that I am not against using APRS properly and have been discussing it's use with the people who ride in the trail radio car.

But the use of APRS, unmanned, is illegal and, as last years failure of communications proved with the buses, a dangerous idea to use in a critical situation. I prefer to use it in a less critical manner.

As the funding for the original units came from the NYRRC, please
help me resolve this issue by talking with Staten Island coordinator Vic
Navarra and requesting Mr. Hargrove discontinue his course of action.

-73- Steve Mendelsohn, W2ML
Communications Coordinator

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635. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 10:41:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38673-2001.09.26-10.07.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, Gerry Creager N5JXS wrote:

> I really like this... A MINIMIZE directive is a real benefit.

And of course, MINIMIZE only works if we have PRECEDENCE embedded in all
packets. THus the need to use one of the SSID bits which are the only
available bits that can be modified without obsoleting everything out there...

But to use an SSID bit (currently all 4 are reserved for SSID Routing), we
have to give up "Directional ROuting". Here is where it stands. Curently
all 4 bits in the TOCALL of an APRS packet are reserved for SSID routing.
SSID routing is iidentical to WIDEn-N routing except that it saves 7 bytes
in EVERY packet by not having to carry along the redundant "WIDEn"...

 If we use one bit for Precedence (PRITORITY and ROUTINE) then we can
still have up to 7 hops of SSID routing.

 If we use 2 bits for Precedence (Routine, Priority, Immediate, Flash)
then we can only have hops of 4 in SSID routing. (WHich in my opinion is
fine. But the WIDE7-7 people adamantly disagree). Remember, you dont
have to use SSID routing. If SSID routing were limited to only 4 hops and
you needed mnore, then use WIDE7-7... etc...

Or, one of thse bits could be NOGATE, and the other PRECEDENCE... etc...
Im willing to look at this...

bob
 >
> Bob Bruninga wrote: > > >
> Also, we need a MINIMIZE-N directive.
> > The military uses the term MINIMIZE to immdeiately cause all routine
> > message traffic to cease, and then routes messages by priority.
> >
> > I can see a directive called MNIMZE-N being useful setting MINIMIZE in
> > effect within N hops of the originator of the MINIMZE request. Or
> > something like that. Or the N could say no hops greater than N allowed,
> > etc.. The transmission of Minimize would be password protected so that it
> > could only be originated by persons designated as being in the position of
> > declaring such an amateur communications need...
>
> Gerry Creager -- gerry@cs.tamu.edu
> Network Engineering
> Academy for Advanced Telecommunications and Learning Technologies
> Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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636. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Phil Reed <preed@dnaco.net>
Date: Wed, 26 Sep 2001 11:37:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-38691-2001.09.26-11.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

The question of tactical callsigns in an APRS environment has come up
before, with the usual "more heat than light" debates following. Perhaps we
have an opportunity here to settle the issue once and for all.

How about...

Somebody (I suggest TAPR), put together a clear, unambiguous discussion of
the issue, along with some scenarios, and present the whole thing to Mr.
Hollingsworth for a definitive ruling? I have done precisely what was
described here (unmanned trackers using tactical callsigns in the packet,
with periodic (every 9.5 minutes) beacons of my true callsign. I'm sure
others have done it as well. If I'm violating the rules, I'd like to know
about it.

At 10:34 AM 9/26/2001 -0400, Mark Phillips wrote:
>Gentlemen,
>
>Would you please look this email over and let me know of your opinion. I
>feel that if Mehndelsohn gets his way this could mean the end of APRS in any
>"athon" anywhere in the country.
>
>I do know that Mehndelsohn has a downer on packet and has refused its use in
>the past so this could be a personal thing.
>
>Your comments would be greatly appreciated.
>
>Mark Phillips KC2ENI
>
>----- Original Message -----
>From: "Charles Hargrove" <n2nov@tellurian.com>
>To: <fccham@fcc.gov>
>Sent: Wednesday, September 26, 2001 10:08 AM
>Subject: FW: Staten Island and the FCC
>
>
> I received a copy of the following email concerning the use of
>APRS units on buses carrying runners form the start of the NYC
>Marathon. As you will remember in our conversation with Bill
>Cross after the FCC Forum at this year's Dayton Hamvention,
>you indicated that as long as the packets were identifying
>with a valid amateur call (mine), had a time-out timer in case
>of a key-down situation (two in fact - Tiny Track and built
>into the HT), that it was really not a problem as it was akin
>to a repeater or packet bbs system. You also indicated that
>a conversation with the ARRL leadership to explain it to
>Mr. Mehndelsohn was probably a good idea. I am not trying to
>deliberately go against Mr. Mendelsohn's strong feelings of using
>any kind of packet during the NYC Marathon. I just saw a viable
>use of an amateur radio technology for use in a 20 minute bus
>ride from midtown NYC to Staten Island to keep tabs on buses
>which had gotten lost in the past and we did not have enough hams
>to spare to put on them. My office number is 212-889-0932.
>
>From: Stephen.A.Mendelsohn@abc.com
>To: asteinfeld@nyrrc.org,
>Subject: FW: Staten Island and the FCC
>Date: Mon, 10 Sep 2001 15:03:05 -0400
>
>Hi Allan. I have an issue that I need your help resolving.

- ---

...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

iQA/AwUBO7H2Jol0VBXuaP/UEQJUEgCfSvlNJ7/3OaN3sh/B0Qz7VVzFYM8AmQGl

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enHnpRdF8yodEzf+9yL7zcU6
=gYe3
-----END PGP SIGNATURE-----


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```

637. [aprssig] Re: ALT-NETS

```
From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Wed, 26 Sep 2001 11:08:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38694-2001.09.26-11.29.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
<SNIP>
>>> Bob Bruninga <bruninga@usna.edu> 09/26/01 09:20AM >>>
>Someone asked:

2) Dumb trackers and most mobiles should still get through (you
   want  to see all APRS mobiles in your area whether they are yours or
   not...usually...

This is because the destination address for GPS and MIC-E devices will not have APXXX?  This seems to be
 a big hole in the spec.  If I am running an ALT-NET I would like to eliminate all traffic not related
to a particular operation.  In our area the fixed stations capabile of an ALT-NET posit are relatively
few and far between, so whether they show up on a map isn't so important.

So GPS and MIC-E devices will always show up, PC Mobiles that have not changed their ALT-NET will not.
If the Kenwoods are MIC-E devices, how does changing the ALT-NET make a difference?  Does this disable
MIC-E Compression and send a traditional posit instead?

What am I missing?

Thanks,

Rich - Wn0x




---
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```

638. [aprssig] Re: Fw: Fw: Staten Island and the FCC

```
From: Phil Reed <preed@dnaco.net>
Date: Wed, 26 Sep 2001 12:09:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38695-2001.09.26-11.34.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

When this issue came up one time before on the mailing list, I posted the
following reply. I realize that the answers may not be 100% relevant
(limited visibility may not be an issue, and the buses have radios), but I
hope it might help.

 >>
 >>I am trying to understand what is so great about APRS. It seems to me that
 >>if I want people to know where I am at a given time I could simply
 >>communicate this by voice. This method would seem much more efficient and
 >>less costly than APRS (only phone rig required). If you can sell me on the
 >>benefits of APRS I may consider this mode of communications. By the way
 >>
 >>                                          CW ROCKS
 >>
 >>TRACY
 >>AA9Z
 >
 >I don't know if you've received any answers, but here's my shot (as a
 >relatively new APRS person).
 >
```

>You say you can tell people where you are by voice. Sure. But...
>
>* With what precision? A few feet, or what?
>* At night or in other limited visibility situations?
>* Every two minutes without fail, without thinking about it?
>* While you're chasing a storm, or driving a sag wagon in a marathon? Or in
> a situation where there's not a licensed operator available to run the
> radio?
>* So that non-hams can see where you (and everybody else reporting) are,
> without a second glance?
>* Without stepping on each other as everybody tries to report?
>* Without garbling or having to repeat?
>
>If you can do all that by voice, I'll have to admit that you're REALLY
>good. Somehow, though, I doubt it.

>From: Stephen.A.Mendelsohn@abc.com
>To: asteinfeld@nyrrc.org,
>Subject: FW: Staten Island and the FCC
>Date: Mon, 10 Sep 2001 15:03:05 -0400
>
>Hi Allan. I have an issue that I need your help resolving.
>
>You may remember that when we arrived at Staten Island last year
>we found a computer set up that seemed out of place with the radio
>net control equipment.
>
>I ask Charles Hargrove, N2NOV, the S.I. radio coordinator, what it
>was. I was told it was an Automatic Packet Radio Tracking (APRS)
>System and that 3 unmanned APRS trackers had been put aboard the
>last buses that leave from the New York Public Library. They were
>put aboard so that the buses could be tracked.
>
>Previously to Marathon day I had discussed implementation of this
>concept with Mr. Hargrove and told him that a human being could more
>easily achieve the goal of telling us where those buses were.

- ---

...phil

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

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=vZ6v
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639. [aprssig] Re: ALT-NETS

From: "Jeff Brissette" <kd7jny@link-11.com>
Date: Wed, 26 Sep 2001 11:28:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38698-2001.09.26-11.53.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>So GPS and MIC-E devices will always show up, PC Mobiles that have not
>changed their ALT-NET will not. If the Kenwoods are MIC-E devices, how
>does changing the ALT-NET make a difference? Does this disable MIC-E
>Compression and send a traditional posit instead?

Rich,

the only differnce the Setting has on the D7 or D700, is that it using the
ALT-NET as a recieve filter. It still sends things out in a
MIC-E format.

As to comment that its hole in the spec, I look at more as a limitation of
the MIC-E format. In many cases, it actually more suitable to use a
different frequency, rather than ALT-NET. One example I can give, is
Balloon chase. If the balloon is sending down a lot of telemetery, It has
to contend with all traffic on the frequency. Even with ALT-NET setup, the
radio and TNC will still recieve all the traffic, it will just be filtered
out and in a balloon chase, the delay in getting the balloons position
would be too great. And if you take into what the balloon would hear at say
50,000+ feet it might never get a chance to go since it would hear all the
stations for a few hundered miles. As you can see in this case, it would
just be easier to use a different frequency. The down side of course, is
that you can't use any exisiting repeaters.

Jeff
KD7JNY
kd7jny@link-11.com
ANSR Track and Recover Team Lead
www.ansr.org

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640. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 26 Sep 2001 11:30:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38701-2001.09.26-11.56.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:34 AM 9/26/01, Mark Phillips wrote:

>I do know that Mehndelsohn has a downer on packet and has refused its use in
>the past so this could be a personal thing.

I think I've mentioned this before...

Isn't it amazing that one person can bollocks up the works so much? When
I first moved to Phoenix, AZ I was shocked to find they had no left turn
arrows at any intersection anywhere in the city proper. When I inquired
as to why several people related to me that the City Manager "didn't
believe in them." And no one wanted to hurt his feelings... The day
after he retired left turn signals started popping up around the city.

I was in a Amateur Radio Club that was "held hostage" for several years by
3 to 4 people who held up meetings with red-herring arguments about
insurance, liability, lawsuits, Tax ID's. etc. We had millions of
dollars of insurance, we incorporated, we got a business license...but
nothing was ever enough. I finally asked two of the people to resign from
the club, and they did.

And for years APRS was held up in Arizona by one person in ARCA (Amateur
Radio Council of Arizona). There is an anti-APRS crowd. Weird, but true.

73,

Mark
KC7BXS

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641. [aprssig] Re: ALT-NETS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 12:39:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38708-2001.09.26-12.11.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, Rich Beckwith wrote:

> 2) Dumb trackers and most mobiles should still get through (you
>   want to see all APRS mobiles in your area whether they are yours or
>   not...usually...
>
> This is because the destination address for GPS and MIC-E devices will
> not have APXXX? This seems to be a big hole in the spec.

Yes, Mic-E format to compress data into the TOCALL was invented years
after ALTNETS. And both were in place for years before the SPEC was
written...

> If I am running an ALT-NET I would like to eliminate all traffic not
> related to a particular operation. In our area the fixed stations
> capabile of an ALT-NET posit are relatively few and far between, so
> whether they show up on a map isn't so important.

It also eliminates all their Message traffic from your message lists.

> So GPS and MIC-E devices will always show up, PC Mobiles that have not
> changed their ALT-NET will not. If the Kenwoods are MIC-E devices,
> how does changing the ALT-NET make a difference? Does this disable
> MIC-E Compression and send a traditional posit instead?

It makes a difference in message packets. ALso, good software should,
once it sees the ALTNET address, then mark that STATION as using an
ALTENET and then also apply that ALTNET to any future position reports
from that station...

But I dont think any author has gotten around to that one....

de WB4APR@amsat.org, Bob

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642. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Wed, 26 Sep 2001 12:17:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38711-2001.09.26-12.42.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

While MINIMIZE is good for a directed operation, APRS operation on
144.39 by nature is a non-directed operation.

"The transmission of Minimize would be password protected so that it
could only be originated by persons designated as being in the position
of declaring such an amateur communications need"

Who makes this designation? The only reference in the FCC regs to
anything close to this would be a RACES operation and that only affects
those involved with the RACES operation.

I recommend, instead of MINIMIZE, that local emergency groups coordinate
using an alternate frequency as a directed net and impose whatever
restrictions they want regarding use of the frequency when the net is in
session. Note, this does not give any group priority on that frequency.
Once a net is in session, however, the net has priority just like any
other QSO has priority once the QSO is established.

All military communications are directed. Therefore, a Minimize action
is enforceable and desirable. APRS is a UI protocol intended for
reception by all capable stations. Instead of trying to limit general
APRS use, why not make use of alternate frequencies which we have
available to us. That is how voice communications handle emergency
situations without hindering normal amateur radio communications.

The precedence bits are nice, but what do they actually gain us if we
are using a UI protocol that does not have a connection basis? Again,
it might be better to look at other methods for passing such traffic,

such as a connection based packet protocol on a different frequency.
Just a thought.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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643. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 14:39:42 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38718-2001.09.26-14.04.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, AE5PL Lists wrote:

> Bob,
>
> While MINIMIZE is good for a directed operation, APRS operation on
> 144.39 by nature is a non-directed operation.

I dont see any distinction. If we have packets that are "routine" and
packets that are "priority" on the same channel then if "minimize" is in
effet, then those routine packets would be limited somehow...

> "The transmission of Minimize would be password protected so that it
> could only be originated by persons designated as being in the position
> of declaring such an amateur communications need"
>
> Who makes this designation?

HAMS in the area affected.

> The precedence bits are nice, but what do they actually gain us if we
> are using a UI protocol that does not have a connection basis?

In order to have a MINIMZE function of some kind, then packets must be
marked as to precedence so that th e"minimize" function knows what packets
to limit into the affected area...

de WB4APR@amsat.org, Bob

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644. [aprssig] RFONLY for an emergency

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 26 Sep 2001 14:54:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38720-2001.09.26-14.15.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I for one am very excited about the potential benefits of this... yes, a
there are number of nay-sayers (who have every right to strongly make their
case - on the whole I learn more in the "heated" discussions and problem
requests than I do in any other type of postings here) - I digress.... the
benefits of minimize and prioritization in a real emergency are too good to
pass up.

Not having airtime/bandwidth taken up with fixed location position reports
(from 500 miles away)... in the midst of a local special event or limited
area emergency response - is very good for APRS's future.

We all know that APRS is being closely looked at for disaster support....
and just as Bob and others here have clearly stated... other communications
channels use minimize or prioritized traffic schemes... if APRS is to have
the credibility in those situations... it too needs a "minimize" function

and a priority traffic function (and I for one would be satisfied with just
two levels of priority as anything else gets unwieldy rapidly)....

Kudo's to you Bob for supporting this direction in APRS.

ALOHA
AH6LS

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645. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: "Tony Annese" <kg4exa@hotmail.com>
Date: Wed, 26 Sep 2001 12:17:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38728-2001.09.26-14.42.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First I am going to assume that your real call was located in a status line
or something to that effect.

Was Mr. Mendelsohn ever shown the packet history for the bus and that there
was indeed a real callsign? Was that information ever relayed to Mr. Haller
or Mr. Hollingsworth?

Is the issue that the trackers could not be turned off? That isn't
technically true by Mr. Mendelsohn's own admission. The buses have radios in
them and the request to turn off the trackers could have been passed to the
bus driver in that fashion. The bus driver could have flipped the switch or
disconnected a power lead or disabled it somehow.

Maybe I am not seeing what portion of the equation Mr. Hollingsworth deams
illegal.

Tony
KG4EXA

----- Original Message -----
From: "Mark Phillips" <g7ltt@g7ltt.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, September 26, 2001 7:34 AM
Subject: [aprssig] Fw: Fw: Staten Island and the FCC

Gentlemen,

Would you please look this email over and let me know of your opinion. I
feel that if Mehndelsohn gets his way this could mean the end of APRS in
any
"athon" anywhere in the country.

I do know that Mehndelsohn has a downer on packet and has refused its use
in the past so this could be a personal thing.

Your comments would be greatly appreciated.

Mark Phillips KC2ENI

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646. [aprssig] Run for America Relay - 27-28 Sep 01

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Sep 2001 16:31:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38742-2001.09.26-15.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a loosely organized event as follows. I offered APRS trackers but
now 2 days before the event they have finally indicated interest. So I
just forward this for what it is worth. If you live along the DC to NY
corridor, you might be interested. I have no other info other than posted
here. If I get more, I will post it.

I dont have time to get immersed in this one due to PCsat launch and other
issues, but if anyone wants to take the ball and run....

---------- Forwarded message ----------
Date: Wed, 19 Sep 2001 08:02:14 -0400
From: Martha Blair
Subject: Run for America Relay - 27-28 Sep 01

Run For America Relay

To show support to the firefighters, law enforcement agents and all
Americans involved in the effort to rescue the victims of the recent act
of terroism, Ensigns Daniel Campos and Christine Fix, are coordinating a
relay run to carry our national flag from the Pentagon to the World Trade
Center.

The relay is scheduled for 28-29th Sep 01....

Will take a simpilar route to the Annual Army/Navy football run..

Bob

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647. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: RMckni8527@aol.com
Date: Wed, 26 Sep 2001 15:51:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38752-2001.09.26-16.40.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/26/01 12:20:06 PM Pacific Daylight Time,
kg4exa@hotmail.com writes:

> Is the issue that the trackers could not be turned off? That isn't
> technically true by Mr. Mendelsohn's own admission. The buses have radios
in
> them and the request to turn off the trackers could have been passed to the
> bus driver in that fashion. The bus driver could have flipped the switch or
> disconnected a power lead or disabled it somehow.

Yes, it is an issue, it's always going to be an issue if the licensee and
control operator of a station cannot exercise due control over his/her
transmitter. Mr Hollingsworth is absolutely right and justified in taking
license suspension or revocation action against a control operator who fails
to maintain this control. It's totally improper to rely or even ask a
non-Amateur to perform these duties in the absence of a control op. I've
never felt comfortable with unattended trackers, especially those placed in
the hands of non-Amateurs. It's at best a gray area, and maybe this incident
will awaken the FCC's arm of compliance and render a ruling that everyone can
abide by (even if it means bad news to some).

Just for FYI - the OSCAR program almost never got off the ground because in
the early days there was little if any ability to control the transmitter.
OSCAR-1 was almost not licensed because it had no control link, and required
a special dispensation from the FCC. Do we feel that unmanned trackers are
any more lofty a goal than the OSCAR program?

Ray - WB3ABN
Kingston, WA

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648. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: "Tony Annese" <kg4exa@hotmail.com>
Date: Wed, 26 Sep 2001 14:20:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: <aprssig@tapr.org>
Message-ID: <LYR842-38753-2001.09.26-16.45.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok I see what you are saying about not relying on a non-ham to turn it on
and off. I don't necessarily agree, but to satisfy both sides of the
argument what if trackers used for event tracking were smart trackers with a
real tnc? The control op could connect to it remotely and stop it from
beaconing (as I think you can with the KPC-3's) this would be able to
operate under 47CFR97.221 (automatically controlled digital station) and
satisfy 47CFR97.109 (station control) I believe.

Now I'm not saying that a ham that has a 1-way tracker installed in his
vehicle would have to stop using it. That vehicle is under his control. I am
just talking about portable trackers that we use for marathons and boating
events and such.

If I am wrong in thinking this way please let me know.

Tony
KG4EXA

> In a message dated 9/26/01 12:20:06 PM Pacific Daylight Time,
> kg4exa@hotmail.com writes:
>
> > Is the issue that the trackers could not be turned off? That isn't
> > technically true by Mr. Mendelsohn's own admission. The buses have
radios
> in
> > them and the request to turn off the trackers could have been passed to
the
> > bus driver in that fashion. The bus driver could have flipped the
switch or
> > disconnected a power lead or disabled it somehow.
>
> Yes, it is an issue, it's always going to be an issue if the licensee and
> control operator of a station cannot exercise due control over his/her
> transmitter. Mr Hollingsworth is absolutely right and justified in taking
> license suspension or revocation action against a control operator who
fails
> to maintain this control. It's totally improper to rely or even ask a
> non-Amateur to perform these duties in the absence of a control op. I've
> never felt comfortable with unattended trackers, especially those placed
in
> the hands of non-Amateurs. It's at best a gray area, and maybe this
incident
> will awaken the FCC's arm of compliance and render a ruling that everyone
can
> abide by (even if it means bad news to some).

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649. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Earl Needham <needhame@yucca.net>
Date: Wed, 26 Sep 2001 15:22:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38754-2001.09.26-16.48.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:34 AM 9/26/2001 -0400, Mark Phillips wrote:
><snip>
>From: Stephen.A.Mendelsohn@abc.com
>To: asteinfeld@nyrrc.org,
>Subject: FW: Staten Island and the FCC
>Date: Mon, 10 Sep 2001 15:03:05 -0400
><snip>
>Previously to Marathon day I had discussed implementation of this
>concept with Mr. Hargrove and told him that a human being could more
>easily achieve the goal of telling us where those buses were.

         Unless there aren't enough hams to go around...

><snip>
>I was quite surprised to see that he had apparently gone to the NYRRC
>and received funds to build the devices, knowing that I did not want
>to use them and had decided to implement them in spite of my desire to

>use people instead of equipment.

Does this mean this guy is the "big boss" and the Committee is --
nothing??? Perhaps the Committee should let Mr. Mendelsohn "sink" on his own.

><snip>
>The person at the radio control position on Marathon day was Ralph
>Haller, N4RH, former FCC Wireless Radio Bureau Chief, and the man who knows
>more about our rules than anyone else in the world as he was in charge of
>writing and implementing them for over 10 years.
>
> Ralph questioned the use of an unmanned device with a non-amateur
>call sign being used in the event and suggested to me that the equipment be
>shut down.

If he did, then he's certainly beyond his prime and no longer has
an understanding of the rules. Alternatively, Mr. Mendelsohn has given him
a flawed picture of the packets. They DO have a callsign in the status, right?

><snip>
>The following Tuesday, I received a call from Mr. Riley Hollingsworth,
>Special Counsel for Amateur Radio Enforcement. Riley was adamant in his
>comments that the Marathon was a very high visibility event and such
>violations of
>the law would be severely dealt with should they be repeated.

Which means that Mr. Mendelsohn (or one of his crew) called Mr.
Hollingsworth and gave him a flawed description of the equipment being
used. Not too uncommon when someone wants to "bollix up the works".

><snip>
>I need your help in stopping this effort for the good of the event
>and for the reputation of Amateur Radio in the Marathon.

I might suggest that the fastest way to do this is for the amateur
community to totally pull out of the Marathon for a year and see if the
tune changes...

Of course, I don't like being treated the way Mr Mendelsohn seems
to be treating the amateurs up there.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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650. [aprssig] Re: Fw: Re: IGATE help Maryland for N3HGB-5

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 26 Sep 2001 17:44:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38756-2001.09.26-17.10.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all who responded to me.
This is the latest in FINDU:
Raw packet:
N3HGB-5>APRS,KV3B-1*,WIDE2:$GPRMC,091351.28,A,3859.2692,N,07617.0668,W,00.0,
000.0,260901,10.,W*67

This was about 12 hours ago. If you look at where KV3B-1 is, that is some
amazing range on 7 watts. I am right now reprogramming to try a new path. My
setup on my boat is XMIT only for now, so I can't try connecting to various
stations. Anyway, I am going to try this for a path:
Unproto   was APRS via RELAY, WIDE2-2
Unproto   now APRS via AA3JY-4, WIDE2-2

AA3JY-4 is only 2.8 miles away, so if they can't see me no one can.

As soon as I drive back to the boat we will see what this does . I need a
laptop so bad right now. My trusty $20 Zenith bit the dust....
73
Joe
N3HGB-5

----- Original Message -----
From: "Stephen M. King" <frastephen@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, September 26, 2001 12:18 AM
Subject: [aprssig] Fw: Re: IGATE help Maryland for N3HGB-5

> ----- Original Message -----
> From: "Charles H. Rahe, II" <crahe@infi.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, September 26, 2001 12:06 AM
> Subject: [aprssig] Re: IGATE help Maryland for N3HGB-5
>
>
> > What path are you using ? If you're using wide2-2, you might try
> > relay,wide,wide.
>

Or maybe not ... for example, the last time I was in that area the N3KNT
WIDE would not accept RELAY as an alias ....

Again, the alchemy of PATH's! ;-)

73,
Stephen
W3SMK

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---
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651. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Randy Allen KAØAZS <ka0azs@commkey.net>
Date: Wed, 26 Sep 2001 17:56:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38757-2001.09.26-17.20.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AE5PL Lists wrote:
>>
> Who makes this designation? The only reference in the FCC regs to
> anything close to this would be a RACES operation and that only affects
> those involved with the RACES operation.

  How about the local DIGIPEATER owners in coordination with the local
ARES DEC/EC and/or RACES Radio Officer. No, there aren't any regs
governing it, but nothing in part 97 I'm aware of prohibits voluntary
compliance with agreed upon operating procedures that don't violate
provisions of Part 97.

> I recommend, instead of MINIMIZE, that local emergency groups coordinate
> using an alternate frequency as a directed net and impose whatever
> restrictions they want regarding use of the frequency when the net is in
> session.

Maybe you have the luxury of spare equipment for digipeaters to keep idle on alternate frequencies ready to fire up in an emergency. Around here we're just getting to the point of (barely) adequate coverage of a lot, but nowhere near all, of our local ARES operation area.

If something does hit the fan, I don't want the added complication (read additional point of failure) needed to ensure that all equipment is switched over in a timely manner. I'm a firm believer of the "come as you are war", or, "what we have is what we're going to have" philosophy.

> Instead of trying to limit general
> APRS use, why not make use of alternate frequencies which we have
> available to us. That is how voice communications handle emergency
> situations without hindering normal amateur radio communications.

If we had a "frequency agile" digipeater structure in place similar to the existing voice repeater structure (lots of them operating daily on various frequencies/bands) I would agree. For pre scheduled activities such as public service events, moving off 144.39 might make sense in some instances. But in the early stages of an emergency, at least around here, APRS is going to operate on 144.39 or it's not going to be a player. Bob's MINIMIZE suggestions might give some fucntionality until after the initial stages of a long term response when we would have the time and resources to look at moving digipeaters to an alternate frequency.

> it might be better to look at other methods for passing such traffic,
> such as a connection based packet protocol on a different frequency.

Don't disagree. In fact, so much as we have one around here, I think that the consensus in this area is that "traditional" connected packet will be used for point to point message traffic involving large amounts of data, with APRS reserved for the roles it's more suited (real-time tactical location, weather, one liners, and "broadcast" bulletins). I'm pushing that APRS be used for the "call" channel to allow 2 stations to locate and coordinate with each other, switching frequency and software for connected operations.

Just some points to ponder.

73

--
Randy Allen, KAØAZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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652. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Wed, 26 Sep 2001 18:01:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38758-2001.09.26-17.25.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the problem really lies with Mr. Mendelsohn himself. If you talk with any people who have worked with him you will probably find his personality is getting in the way here. I am still wondering why he is no longer on the ARRL Board and back to being in the Hudson Division. I haven't had a chance to find out from anybody who might know directly but it seems very unusual for that to happen. Many have complained about his politics in the past, this may just be one of those situations again. I'm sure he gave an uniformed picture to the FCC when he made his inquiry and got the response he really wanted.

Just my two cents and probably not worth much.

Brian, N2KGC

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Earl Needham
Sent: Wednesday, September 26, 2001 5:23 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Fw: Fw: Staten Island and the FCC

At 10:34 AM 9/26/2001 -0400, Mark Phillips wrote:
><snip>
>From: Stephen.A.Mendelsohn@abc.com
>To: asteinfeld@nyrrc.org,
>Subject: FW: Staten Island and the FCC
>Date: Mon, 10 Sep 2001 15:03:05 -0400
><snip>
>Previously to Marathon day I had discussed implementation of this
>concept with Mr. Hargrove and told him that a human being could more
>easily achieve the goal of telling us where those buses were.

         Unless there aren't enough hams to go around...

><snip>
>I was quite surprised to see that he had apparently gone to the NYRRC
>and received funds to build the devices, knowing that I did not want
>to use them and had decided to implement them in spite of my desire to
>use people instead of equipment.

         Does this mean this guy is the "big boss" and the Committee is --
nothing??? Perhaps the Committee should let Mr. Mendelsohn "sink" on his
own.

><snip>
>The person at the radio control position on Marathon day was Ralph
>Haller, N4RH, former FCC Wireless Radio Bureau Chief, and the man who knows
>more about our rules than anyone else in the world as he was in charge of
>writing and implementing them for over 10 years.
>
> Ralph questioned the use of an unmanned device with a non-amateur
>call sign being used in the event and suggested to me that the equipment be
>shut down.

         If he did, then he's certainly beyond his prime and no longer has
an understanding of the rules. Alternatively, Mr. Mendelsohn has given him
a flawed picture of the packets. They DO have a callsign in the status,
right?

><snip>
>The following Tuesday, I received a call from Mr. Riley Hollingsworth,
>Special Counsel for Amateur Radio Enforcement. Riley was adamant in his
>comments that the Marathon was a very high visibility event and such
>violations of
>the law would be severely dealt with should they be repeated.

         Which means that Mr. Mendelsohn (or one of his crew) called Mr.
Hollingsworth and gave him a flawed description of the equipment being
used. Not too uncommon when someone wants to "bollix up the works".

><snip>
>I need your help in stopping this effort for the good of the event
>and for the reputation of Amateur Radio in the Marathon.

         I might suggest that the fastest way to do this is for the amateur
community to totally pull out of the Marathon for a year and see if the
tune changes...

         Of course, I don't like being treated the way Mr Mendelsohn seems
to be treating the amateurs up there.

         7 3
         Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc

a.net -EARL_CLOVIS -251-<530>

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_____

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653. [aprssig] re: pmap_ocx.zip

From: Gurdon Wolfe <kb4fea@earthlink.net>
Date: Wed, 26 Sep 2001 18:18:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38760-2001.09.26-17.45.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've tried locating this file in my copy of WinAPRS 2.2.3 and on the
internet and
I can't seem to find it. Anybody have a copy they could forward to me?
Thanks.
73, Don
KB4FEA

 From the keyboard of Gurdon C. "Don" Wolfe, II
GySgt. U.S.M.C. Ret.
Official USMC website www.usmc.mil

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

654. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Chris Rose" <kb8uih@arrl.net>
Date: Wed, 26 Sep 2001 19:00:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38776-2001.09.26-18.24.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,
I must support the thought of protecting all information concerning hiding
of shelter locations. That may mean however, not broadcasting the
information as well. If shelter locations aren't secret but client
information is, it seems like that is contradictory terminology. Why have a
shelter location information open to anyone or anybody?   Announcing the
location of a shelter may endanger those who the shelter is trying to aid or
protect. I understand you didn't institute the policy but I think it needs
changing. After a terrorist attack, I wouldn't want survivors wherabouts
known or made public for fear of reprisals.

Use of packet radio as just packets of information without position
information is probably the way to go. Standard voice radios can't decode
the packets without an additional tnc and computer linked to them.

Chris
KB8UIH

----- Original Message -----
From: "Jacques Voisin" <jvoisin@evcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, September 25, 2001 1:14 PM
Subject: [aprssig] Re: Amateur Radio at WTC relief effort

> Here in Central Florida we use APRS in disaster communication and we have
> certain rules about information that can or cannot be sent on APRS. This
up
> to the EC in charge of the operation to determine what it is. At the
> American Red Cross we have specific rules which are nation wide. Shelter
> location is no secret, client personal data are.
>
> Jacques C. Voisin, N4JCV, AAR4JI
> SKYWARN Manager Orange County, FL
> ARC of Central Florida. Comm Chairman, Trustee N4ARC
> http://evcom.net/~jvoisin/n4jcv.htm
> e-mail: jvoisin@evcom.net or n4jcv@arrl.net
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

655. [aprssig] re: pmap_ocx.zip

From: RMckni8527@aol.com
Date: Wed, 26 Sep 2001 19:05:53 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38777-2001.09.26-18.30.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/26/01 3:23:52 PM Pacific Daylight Time,
kb4fea@earthlink.net writes:

> I can't seem to find it. Anybody have a copy they could forward to me?
> Thanks.
Done deal, no need for others to forward the file.

73's
Ray

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

656. [aprssig] 10 mile circle

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 26 Sep 2001 19:13:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38779-2001.09.26-18.40.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Am I being stupid, or would you be in the center of the 10 mile circle?
Joe
N3HGB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

657. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 26 Sep 2001 18:15:44
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38780-2001.09.26-18.40.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

<Gregg>
But the system is dictating our usage when it previously did not exist.
Thus the system has forced a particular mode of operation to have

consequences that many appear to object too. Standing up and saying "If you
don't like what I do with your public transmissions, stop transmitting" is
close to terrorism in the sense that fear is being imparted with an
overbearing attitude and a denial of choice on how to react.

This attitude seems to be a control freak attitude. "Now that we're in
control of your packets, you have to play our way or not at all."

I know that there is no guarantee of where our packets go, but for the
amatuer community to have such an attitude towards fellow hams is just down
right rude
... snip
</Gregg>

Control freak? No, there is no control. There is no one person in control
of the APRS/IS. And even if you had a specification that had RFONLY, then
either ALL server programs or ALL client programs would need to be updated.
 How long would that take? There are still people running APRSdos pre v8!
I bet it would be measured in YEARS. You can help fix the system. APRSd
is open source. But then, not all servers are APRSd. For now, it is far
better to understand the system, and use appropriately, and don't use it
when it is not appropriate. That is my terrorist opinion.

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658. [aprssig] How MINIMIZE Would Work?

From: Robert Kirk <isobar@mail.cablespeed.com>
Date: Wed, 26 Sep 2001 19:18:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38781-2001.09.26-18.42.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:39 PM 9/26/01 -0400, Bob Bruninga wrote:
>[...] If we have packets that are "routine" and
>packets that are "priority" on the same channel then if "minimize" is in
>effet, then those routine packets would be limited somehow...

Is the "somehow" something like this?

1. Someone (anyone?) sends out a single word Bulletin, "MINIMIZE"

2. Your individual APRS software recognizes this, and:

3. Will not transmit any messages or posits from your station unless your
outgoing message in the queue is PRIORITY precedence.

4. You could override that in your software (but why bother since you could
just make a message PRIORITY).

5. Someone finally sends out a bulletin MINIMIZE CANCELLED.

Some thoughts:

Unattended trackers and WIDE's with TNC only couldn't observe this unless
TNC firmware was modified. But that's probably OK since they are a smaller
fraction of the traffic. You'd probably want that position information in
an emergency, anyway.

The MINIMIZE condition would only apply as far as the range of the station
sending the bulletin. That's probably what you want. I suppose you could
have a MINIMIZE PASS THIS ON command if you wanted to extend the area.

Having said all that, how badly do we need it? Where has saturation been an
operational problem? I'm only familiar with the MD/DC and Calif Bay area
traffic where traffic is brisk but not saturated.

Bob Kirk
N3OZB

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659. [aprssig] Re: 10 mile circle

From: Phil Reed <preed@dnaco.net>
Date: Wed, 26 Sep 2001 19:33:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38782-2001.09.26-18.58.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

At 07:13 PM 9/26/2001 -0400, Joe Della Barba wrote:
>Am I being stupid, or would you be in the center of the 10 mile circle?

Nah. It's actually more like a square. If I said that I wanted to only
transmit, say, position information consisting only of degrees of longitude
and latitude, I'd be somewhere (anywhere) in the rectangle 39 degrees 0
through 39 degrees 59.9999 minutes North, 84 degrees 0 minutes through 84
degrees 59.9999 minutes West.

>Joe
>N3HGB

- ---

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

iQA/AwUBO7Jlwol0VBXuaP/UEQIXQwCeMOqe41/WsYb8wnOOb+Astwq8B5QAoOX6
Vmnki2Rlp/wGvT8ztv9kfjbo
=Remj
-----END PGP SIGNATURE-----

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660. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Jeff King <jeff@aerodata.net>
Date: Wed, 26 Sep 2001 20:59:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38787-2001.09.26-20.25.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brent Hildebrand wrote:

> There is no one person in control
> of the APRS/IS. And even if you had a specification that had RFONLY, then
> either ALL server programs or ALL client programs would need to be updated.
> How long would that take? There are still people running APRSdos pre v8!
> I bet it would be measured in YEARS.

So we shouldn't do it? Wonder if the guys running spark in the 1920's said the
same when CW appeared on the horizon. If progress takes a 15 year plan, I say
go for it. Yet it won't take 15 years, with the half life of computers approaching
one year and releases of OS's not far behind. Evolution in the PC industry is
extremely brisk, and even without any mandate, 99% of your users will have
transistioned within one year. And the remaining 1% who refuse to update can
be routed in the central servers such as ahub.

It is not time, technology or knowledge. It is simply the will, or lack thereof.

-Jeff

|---|
| Jeff King   248-471-1787 F 248-471-0279 e-mail: jeff@aerodata.net |
| |

```
| "They that give up essential liberty to obtain a little temporary safety|
| deserve neither liberty nor safety."  -- Benjamin Franklin, 1759        |
|-------------------------------------------------------------------------|

---
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```

661. [aprssig] Re: Fw: Re: IGATE help Maryland for N3HGB-5

```
From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Wed, 26 Sep 2001 21:09:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38789-2001.09.26-20.33.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe -
It might be interesting to use trace2-2 instead of wide2-2 so that you can see
the path your packets are taking. I use relay,wide,trace2-2 for my boat in
Middle River and it's interesting to see the various paths that the signal
takes
to get to the internet. Sometimes the first station is nearby in Balt.., other
times it's at the top of the Bay & other times it's AA3JY-4 or a station to the
south.

One problem with using a specific station is that as you sail around the bay
you'll probably get out of range of Clay's fine machine and you'll have to
change your path.

Charlie

Joe Della Barba wrote:

>  (snip)

> I am right now reprogramming to try a new path. My
> setup on my boat is XMIT only for now, so I can't try connecting to various
> stations. Anyway, I am going to try this for a path:
> Unproto   was APRS via RELAY, WIDE2-2
> Unproto   now APRS via AA3JY-4, WIDE2-2
>
> AA3JY-4 is only 2.8 miles away, so if they can't see me no one can.
> (snip)
[Attachment: crahe.vcf; text/x-vcard; 232 bytes]
```

662. [aprssig] Minimize

```
From: Bill Vodall <wa7nwp@yahoo.com>
Date: Wed, 26 Sep 2001 18:12:33 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38790-2001.09.26-20.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Pacific Northwest has had a minimize scheme for the past
year or more.  Here's the details:

 http://www.nwaprs.org/minimize.htm


Still only voluntary but that's a start.

Bill, WA7NWP




_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger. http://im.yahoo.com

---
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```

663. [aprssig] PNW Minimize again

```
From: Bill Vodall <wa7nwp@yahoo.com>
Date: Wed, 26 Sep 2001 18:34:43 -0700 (PDT)
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38792-2001.09.26-20.59.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The Pacific Northwest has had a minimize scheme for the past
> year or more. Here's the details:
>
> http://www.nwaprs.org/minimize.htm
>
>
> Still only voluntary but that's a start.

"Voluntary" is probably the wrong word. I should have
said "manual".   We've been thinking about ways to
broadcast "signed and date stamped" messages to automate
this - but nothing has been done so far.

Bill

_____
Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger. http://im.yahoo.com

---
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664. [aprssig] Trackers, Digipeating, Control Ops, et al

From: RMckni8527@aol.com
Date: Wed, 26 Sep 2001 22:47:18 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38797-2001.09.26-22.12.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/26/01 2:23:28 PM Pacific Daylight Time,
kg4exa@hotmail.com writes:

> Ok I see what you are saying about not relying on a non-ham to turn it on
> and off. I don't necessarily agree, but to satisfy both sides of the
> argument what if trackers used for event tracking were smart trackers with
a
> real tnc? The control op could connect to it remotely and stop it from
> beaconing (as I think you can with the KPC-3's) this would be able to
> operate under 47CFR97.221 (automatically controlled digital station) and
> satisfy 47CFR97.109 (station control) I believe.
>
> Now I'm not saying that a ham that has a 1-way tracker installed in his
> vehicle would have to stop using it. That vehicle is under his control. I
am
> just talking about portable trackers that we use for marathons and boating
> events and such.
>
> If I am wrong in thinking this way please let me know.
>
> Tony
> KG4EXA

Your reply has caused me to go back and read these parts again. I have
concluded several interesting things regarding trackers, APRS and digipeating
in general.

First, the definition of Telemetry:
(45) Telemetry. A one-way transmission of measurements at a distance from the
measuring instrument. NOTE: The definition of Space Telemetry is similar
except it implies the transmission of signals originating from a single
spacecraft.

Next, we have the two most pertinent sections regarding automatic
retransmission of digital signals, which defines digipeating, including how
these stations must be controlled:
97.109(e) No station may be automatically controlled while transmitting third
party communications, except a
station transmitting a RTTY or data emission. All messages that are
retransmitted must originate at a
station that is being locally or remotely controlled.

§97.221 Automatically controlled digital station.
(a) This rule section does not apply to an auxiliary station, a beacon station, a repeater station, an earth
station, a space station, or a space telecommand station.
(b) A station may be automatically controlled while transmitting a RTTY or data emission on the 6 m or
shorter wavelength bands, and on the 28.120-28.189 MHz, 24.925-24.930 MHz, 21.090-21.100 MHz,
18.105-18.110 MHz, 14.0950-14.0995 MHz, 14.1005-14.112 MHz, 10.140-10.150 MHz, 7.100-7.105
MHz, or 3.620-3.635 MHz segments.
(c) A station may be automatically controlled while transmitting a RTTY or data emission on any other
frequency authorized for such emission types provided that:
(1) The station is responding to interrogation by a station under local or remote control; and
(2) No transmission from the automatically controlled station occupies a bandwidth of more than 500
Hz.

I have concluded the following:
1) APRS does LOOSELY conform to the definition of telemetry, but it's really backwards. The intent, I feel, is for a measurement instrument to send a stream of data for others to interpret. APRS sort of does this, but when an APRS station is using the GPS constellation the GPS satellite/receiver is obviously the measurement instrument, not the APRS station. The APRS station then appears to become a beacon station, rebroadcasting the measurements automatically. I don't feel the loose definition of telemetry intends for beaconing of measurements at regular intervals from the RECEIVING STATIONS. I do NOT intend to imply that APRS is therefore an illegal mode. It's just a mode based on a loose interpretation.

2) There are 3 ways to control an Amateur Station: Local (henceforth referred to as DIRECT), Remotely and Automatically. As a primary station licensee and control operator, these are the only 3 methods available to comply with the regs. Direct is obvious - you are physically at the controls of the transmitter. Remote means that you have a means, normally a LINK or other method (i.e. phone line) to change the operating parameters or turn the transmitter off. A link may be a separate, or the same input freq, such as a repeater link. This implies that SOMEONE is available as a control operator all the time the transmitter is in operation. AUTOMATIC is what we generally use on APRS. Automated retransmissions of digital signals may use automated control. BUT HERE'S THE KICKER - READ THIS PART CAREFULLY, IT'S IN THE REG AND SPECIFIC! We CANNOT use automatic control UNLESS the station originating the transmission is using DIRECT or REMOTE CONTROL. This means NO ONE CAN digipeat a signal from another station UNLESS there is a control operator in constant attention, either directly or remotely, at the originating station.

This ties closely with authentication of traffic relayed from the Internet.

What do I conclude?
NO ONE CAN AUTOMATICALLY DIGIPEAT A SIGNAL FROM AN UNATTENDED STATION, UNLESS IT IS UNDER DIRECT OR REMOTE CONTROL, UNLESS YOU CAN VERIFY THAT THE ORIGINATING STATION IS UNDER DIRECT OR REMOTE CONTROL AS WELL.

How can anyone using an APRS network today ensure compliance?

I further conclude that placing a tracker or ANY other transmitter in the hands of a non-Amateur is illegal, UNLESS you have DIRECT or REMOTE CONTROL capabilities and MONITOR it's transmissions to ensure YOU are in compliance - it is BTW your license it's operating under, right! If your tracker DIGIPEATS, DON'T give it to a NON-HAM or place it in a vehicle without a ham. In my opinion, putting a tracker in a vehicle or giving it to someone without a licensed ham in direct control is very closely flirting with 3-rd party communications, and these MUST be under the direct control of the station licensee. They are causing the content of the messages to change in proportion to the position of the vehicle they drive, right? They therefore CAN exercise limited control over the content of your tracker's text. This is a slight stretch, but not outside the realm of the argument at hand. All the more reason for direct or remote control!

Some of these same arguments have been brought up before and I don't intend to start a new war on the SIG just as a form of entertainment. Mr. Hollingsworth's recent comments regarding the NYC Marathon prompted this discussion, and I feel the FCC may have further clarification regarding these areas in the near future. Enforcement of Control Operator's has ALWAYS been one of the MAJOR areas the FCC has focused on, and recently some rogue repeater operators have learned this point all too well. Maybe APRS has gained enough widespread popularity to cause the FCC to focus scrutiny, or

maybe it's just the one apparent "APRS zealot" in NYC that's stirring the pot.

These are my views and interpretations. You're more than welcome to agree,
argue, or discount this thread.

73's
Ray - WB3ABN
Kingston, WA

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665. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Wed, 26 Sep 2001 22:35:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38800-2001.09.26-23.00.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, after reading the original post that caused all this ruckus, I
fired off a quick, and pretty direct note to Steve Mendelsohn, W2ML.
I've known him long enough to say something directly to him that others
might not want to try: Steve's a pretty hard person when confronted,
and unless you're really pretty think skinned, being told in
unvarnished, if usually civil, terms, is quite the awkening
experience... if you take what I mean.

W2ML is the Communications Coordinator for the New York City Marathon,
something he's been involved in for a number of years. His 30+ years of
ham radio, television, and other communications experience serve him
well in that regard. He's got a clue, and the years he's worked as an
ARRL Director, through some of the hardest periods of our radio history
(Incentive Licensing, 18803, No Code, etc) give him a few rights to
opinions.

I'll not go into the details here, but there are a couple of issues I
want to bring forward.

1. When hams sign on to help with communications for the event, there
is usually ONE individual who is known and trusted by the event
organizers to interface with those unknown Amateurs, focus them onto
task, and keep them doing things, within the scope of their licenses
(nothing illegal, of course) that benefit and support the event. In
this case, Steve is "It."

2. Volunteers can make suggestions, but should never proceed past the
suggestion point without approval from the folks responsible. It WILL
cause disruption. In this case, both the president of the NY Road
Runners Club (the Marathon sponsoring organization) who is a ham, with a
clue about both Packet and APRS, and the COmmunications Coordinator, who
has a clue, preferred either human hams or no reporting on the buses.
They had their reasons, and they considered them valid. For what it's
worth, Steve and I debated this at some length. I still think the
argument, that there are street signs on every corner, is a little weak,
but the consideration was not to give something for an Amateur
communicator to do, but to make sure the contracted bus company kept up
ITS portion of the contract to continuously report positions by the
drivers.

3. Events like this attract some high profile interest. In this
instance, several current and past FCC employees were attracted to the
situation of what at least appeared to be an improperly identified,
unattended, non-remote-controlled packet radio station. If too much
interest is attracted, some of the sponsors will take note, and Amateur
Radio will lose an opportunity to prostheletize. An opportunity where,
by its ectremely prominent position, Ham Radio gains extremely valuable
support from the "real world."

4. If this is an emotional issue, or a personality issue, these should
never surface during a volunteer event. It's Just A _______ Hobby. If
it's not fun for you to do something within the constraints afforded by
the Guy In Charge, the Sponsors and the Enforcers, then for heaven's
sake: Don't do it.

It's now my opinion that what we got was an emotional request for
support for what may eventually turn out to be a good and valid use for
APRS in the NY Marathon. It HAS been used in other events, and well,

but for a variety of reasons, it's not been employed by the MY Marathon,
just yet.

I think we got what the original poster felt was the important facts.
These were from his perspective. I believe now, after a long, sometimes
"frank" discussion, that there's more to that story, and we need to be
cognizant of the fact that there are, in fact, several sides that must
be considered.

Oh, and APRS will be used for at least one vehicle in this year's event,
in a sanctioned manner.

So: Let's learn from this. Don't jump to conclusions. Ask more
questions. Never take anything at face value without a bit more
investigation.

73, gerry n5jxs
--
Brian Webster wrote:
>
> I think the problem really lies with Mr. Mendelsohn himself. If you talk
> with any people who have worked with him you will probably find his
> personality is getting in the way here. I am still wondering why he is no
> longer on the ARRL Board and back to being in the Hudson Division. I haven't
> had a chance to find out from anybody who might know directly but it seems
> very unusual for that to happen. Many have complained about his politics in
> the past, this may just be one of those situations again. I'm sure he gave
> an uniformed picture to the FCC when he made his inquiry and got the
> response he really wanted.
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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666. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bill Herrmann <bherrman@micron.net>
Date: Tue, 25 Sep 2001 23:24:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38817-2001.09.27-00.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Dieterich wrote:
 > I just returned from 10 days down in the NYC area and know that there were
 > serious issues with APRS being run at sensitive areas.

It would be nice to know what those issues were.

 > Because the position of the stations was transmitted
 > out over the air and then cataloged via findu.com, senstive information was
 > released to the world.

Let's back up here. Regardless of how any of us feel about the internet
that information was released to the world the moment it was transmitted.
One need not even have a license to receive APRS data. If it was sensitive
enough not to release to the world it should not have been transmitted.
Findu at least has some possibility of showing who looked at it. (No, I
wouldn't want to go through the logs, but they are there for at least some
moment in time.)

I'm not sure of the history of the not particularly civil argument being
waged about whether to gate or not to gate, but it sounds like the real
issue is a different one entirely.

 > 1. We need some way to turn off igate funcationality during a
disaster. It's
 > important to keep some of this information away from the
internet. Perhaps an
 > easy way to do this is run APRS disaster communcations on a different
 > frequency.

See above - Who is it important to keep it away from? If it isn't for
public knowledge don't send it. You have no way of knowing who is receiving
that data no matter what frequency you use.

> 2. We need some way to stop certain sites transmitting position data. They
> can still use APRS to send/receive messages and monitor other stations, we
> must be sure they don't transmit position data.

Last I knew if you disconnect the GPS unit you have what you are asking for.

Am I missing something here? It seems like this is fundamentally easy to solve.

Bill

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667. [aprssig] Re: 10 mile circle

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 00:53:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38818-2001.09.27-00.17.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, Joe Della Barba wrote:

> Am I being stupid, or would you be in the center of the 10 mile circle?

The circle is as large as the ambiguity of the value given.

If I say I am at 3859N and 07629W, then those values are only accurate to
the nearest mile. The circle is centered on 3859.00 and 07629.00, but
that says nothing about where I am within that ambiguity. If I knew my
positio more accurately or wanted to transmit more precision, then I
would include more digits in the transmission...

When you say your friend lives a mile down the road. There is an exact
point that is 5280.00 feet away, but you are not really saying that his
feet are standing on exactly that spot. You are saying he is about a mile
away (approximately). You can draw a circle of ambiguity around that
exact spot, but that says nothing about where he might be in that
circle...

 de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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668. [aprssig] Re: 10 mile circle

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Thu, 27 Sep 2001 00:00:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38822-2001.09.27-00.24.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In other words, you're implying that the circle is in fact the graphical
description of the circular probability of horizontal error... without
the rigorous math because you omitted significant digits from the
report.

gerry
--
Bob Bruninga wrote:
>
> On Wed, 26 Sep 2001, Joe Della Barba wrote:

>
> > Am I being stupid, or would you be in the center of the 10 mile circle?
>
> The circle is as large as the ambiguity of the value given.
>
> If I say I am at 3859N and 07629W, then those values are only accurate to
> the nearest mile. The circle is centered on 3859.00 and 07629.00, but
> that says nothing about where I am within that ambiguity. If I knew my
> positio more accurately or wanted to transmit more precision, then I
> would include more digits in the transmission...
>
> When you say your friend lives a mile down the road. There is an exact
> point that is 5280.00 feet away, but you are not really saying that his
> feet are standing on exactly that spot. You are saying he is about a mile
> away (approximately). You can draw a circle of ambiguity around that
> exact spot, but that says nothing about where he might be in that
> circle...

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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669. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Thu, 27 Sep 2001 00:09:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
      aprssig@tapr.org
Message-ID: <LYR842-38824-2001.09.27-00.34.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One more comment, before I go off to bed. It's been brought to my
attention that the FCC would consider a well-presented argument/Request
for Proposed RuleMaking to change the apparent disconnect between APRS
tatical callsigns and the mandatory identification requirements. This
is worth looking at. If we can make a proposal for tac calls for events
and emergencies, that is reasonable in the FCC's eyes, a lot of the
issues of increased enforcement, for our piece of the hobby, become
moot.

Gerry
--
RMckni8527@aol.com wrote:
>
> In a message dated 9/26/01 2:23:28 PM Pacific Daylight Time,
> kg4exa@hotmail.com writes:
>
> > Ok I see what you are saying about not relying on a non-ham to turn it on
> > and off. I don't necessarily agree, but to satisfy both sides of the
> > argument what if trackers used for event tracking were smart trackers with
...
>
> Your reply has caused me to go back and read these parts again. I have
> concluded several interesting things regarding trackers, APRS and digipeating
> in general.
>
...
> Some of these same arguments have been brought up before and I don't intend
> to start a new war on the SIG just as a form of entertainment. Mr.
> Hollingsworth's recent comments regarding the NYC Marathon prompted this
> discussion, and I feel the FCC may have further clarification regarding these
> areas in the near future. Enforcement of Control Operator's has ALWAYS been
> one of the MAJOR areas the FCC has focused on, and recently some rogue
> repeater operators have learned this point all too well. Maybe APRS has
> gained enough widespread popularity to cause the FCC to focus scrutiny, or
> maybe it's just the one apparent "APRS zealot" in NYC that's stirring the pot.
--
Gerry Creager -- gerry@cs.tamu.edu
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670. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: RMckni8527@aol.com
Date: Thu, 27 Sep 2001 01:34:19 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38834-2001.09.27-00.59.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/26/01 10:12:22 PM Pacific Daylight Time,
gerry@cs.tamu.edu writes:

> One more comment, before I go off to bed. It's been brought to my
> attention that the FCC would consider a well-presented argument/Request
> for Proposed RuleMaking to change the apparent disconnect between APRS
> tatical callsigns and the mandatory identification requirements. This
> is worth looking at. If we can make a proposal for tac calls for events
> and emergencies, that is reasonable in the FCC's eyes, a lot of the
> issues of increased enforcement, for our piece of the hobby, become
> moot.
>

Good news, and kudos for the potential benefits to APRS, Gerry!

I might suggest the following:
1) A Regional authority based on similar design to repeater coordination
committees be established to handle coordination of Tactical Callsign use.
2) Any event wishing to use a tactical Callsign should apply to said
committee (with an appropriate lead time - 30 days??).
3) Tactical calls which are currently in use or scheduled to be used in the
near future are appropriately published so all interested Amateurs and FCC
types and others can identify the stations in use. Likely accomplished by a
web page. A National page would be fine, broken down by region, with a
search engine to facilitate identifying particular stations and licensees.
4) The current regulations do NOT prohibit use of Tactical calls, and as
such, if Amateurs wish to use them without the "burden" of the new rules, may
still do so as long as they appropriately identify their stations. However,
they should still be encouraged to use calls which do not conflict with
approved/coordinated regional tactical calls, and should submit their
intentions, if possible, to their regional web site.

Is this a good start?

Ray - WB3ABN
Kingston, WA

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671. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: RMckni8527@aol.com
Date: Thu, 27 Sep 2001 01:40:49 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38835-2001.09.27-01.05.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/26/01 10:10:09 PM Pacific Daylight Time,
gerry@cs.tamu.edu writes:

> If we can make a proposal for tac calls for events
> and emergencies, that is reasonable in the FCC's eyes, a lot of the
> issues of increased enforcement, for our piece of the hobby, become
> moot.

Oh yes, I forgot, of course we need to have a STANDARD FORMAT for assigning
tac callsigns, like 3x1 or something (i.e. BUS-6 or AIR-1). Is there already
something lurking in the Spec addressing this?

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672. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 26 Sep 2001 22:50:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38836-2001.09.27-01.16.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > There is no one person in control
> > of the APRS/IS. And even if you had a specification that had RFONLY, then
> > either ALL server programs or ALL client programs would need to be updated.
> > How long would that take? There are still people running APRSdos pre v8!
> > I bet it would be measured in YEARS.
>
> So we shouldn't do it? Wonder if the guys running spark in the 1920's said the
> same when CW appeared on the horizon. If progress takes a 15 year plan, I say
> go for it. Yet it won't take 15 years, with the half life of computers approaching
> one year and releases of OS's not far behind. Evolution in the PC industry is
> extremely brisk, and even without any mandate, 99% of your users will have
> transistioned within one year. And the remaining 1% who refuse to update can
> be routed in the central servers such as ahub.
>
> It is not time, technology or knowledge. It is simply the will, or lack thereof.
>
> -Jeff

Did I say, do not do it?   The only security that many have is the believe that they have any. Don't get mad if your packets show up on someone's web site when you have RFONLY enables somewhere. Understand the system.

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673. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 26 Sep 2001 23:03:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38837-2001.09.27-01.29.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Of course, TAC calls can be a local display option. In APRS+SA for example, any tactical callsign can be associated with any on-air callsign. And these can be assigned over the air to other stations so they also see the same tactical callsign. The on-air callsign can be anything, but preferably, the real FCC issued callsign. This also makes assignment of a new tactical call simple.

----- Original Message -----
From: "Gerry Creager N5JXS" <gerry@cs.tamu.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>; <aprssig@tapr.org>
Sent: Wednesday, September 26, 2001 10:09 PM
Subject: [aprssig] Re: Trackers, Digipeating, Control Ops, et al

> One more comment, before I go off to bed. It's been brought to my
> attention that the FCC would consider a well-presented argument/Request
> for Proposed RuleMaking to change the apparent disconnect between APRS
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> is worth looking at. If we can make a proposal for tac calls for events
> and emergencies, that is reasonable in the FCC's eyes, a lot of the
> issues of increased enforcement, for our piece of the hobby, become
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> Gerry
> --
> RMckni8527@aol.com wrote:
> >
> > In a message dated 9/26/01 2:23:28 PM Pacific Daylight Time,
> > kg4exa@hotmail.com writes:
> >
> > > Ok I see what you are saying about not relying on a non-ham to turn it on
> > > and off. I don't necessarily agree, but to satisfy both sides of the
> > > argument what if trackers used for event tracking were smart trackers with
> > ...
> > >

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> > in general.
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> > to start a new war on the SIG just as a form of entertainment. Mr.
> > Hollingsworth's recent comments regarding the NYC Marathon prompted this
> > discussion, and I feel the FCC may have further clarification regarding these
> > areas in the near future. Enforcement of Control Operator's has ALWAYS been
> > one of the MAJOR areas the FCC has focused on, and recently some rogue
> > repeater operators have learned this point all too well. Maybe APRS has
> > gained enough widespread popularity to cause the FCC to focus scrutiny, or
> > maybe it's just the one apparent "APRS zealot" in NYC that's stirring the pot.
> --
> Gerry Creager -- gerry@cs.tamu.edu
> Network Engineering
> Academy for Advanced Telecommunications and Learning Technologies
> Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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674. [aprssig] Fw: Fw: Fw: Staten Island and the FCC

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Thu, 27 Sep 2001 06:11:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38839-2001.09.27-05.36.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Might this help shed some light on things? As Bob says, I should've
mentioned this in the original email.

Sorry,

Mark

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Mark Phillips" <g7ltt@g7ltt.com>
Sent: Thursday, September 27, 2001 12:44 AM
Subject: Re: [aprssig] Fw: Fw: Staten Island and the FCC

> On Wed, 26 Sep 2001, Mark Phillips wrote:
>
> > For the record, The "callsign" of the TinyTrack was Bus1 but the beacon
text
> > went out every 5 mins and said that it was a TinyTrack installed in a
bus
> > and operated by N2ZYF unattended.
>
> You should post that to the SIG...
>
> THat was crucial information missing from the letter...
>
> bob
>
>
>

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675. [aprssig] Tactical Identification and FCC Callsigns

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Thu, 27 Sep 2001 07:22:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38841-2001.09.27-06.48.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let's make a distinction between: Tactical Identification (that everyone uses every day) and Callsigns (those issued by the FCC). Somewhere in the past, the two got intertwined (the use of the term Tactical Callsigns), quite unnecessarily -- causing the real problem we are now encountering: confusion and misunderstanding.

Consider the legal and ongoing use of "Tactical Identification", a round-table SSB QSO on HF, where W4ADM=Adam, W5BOB=Bob, W6CRL=Carl and W7DAN=Dan:

o Once every 10-minutes each station ID's itself, using it's FCC-issued callsign.
o Throughout the conversation, each simply starts a transmission by either simply talking (no Callsign at all) or by identifying the name of the station to which they intend to direct the conversation (again, no Callsign used), "Hey, Dan!..."

How does the FCC (or anyone else listening-in) know who is the transmitting station at any instant? Voice-patterns and direction-finding.

Here's the crux (and the association to APRS): Adam's audible voice-patterns become his "Tactical Identification" between times when he uses his FCC issued Callsign! Everyone on frequency knows Adam's voice and has listened long enough to correlate the FCC-issued callsign of W4ADM with him (because he uses his FCC Callsign once every 10-minutes). This may be technically verified by DFing and -- again -- correlating the the callsign used by that station (once every 10-minutes or less) with transmissions coming from that location.

The FCC's need doesn't change when APRS us used as the communication medium:
o ability to correlate a valid FCC Callsign with every transmitting station (but not necessarily with every transmission coming from that station)
o being able to find/locate that station (and/or control operator of that station) should the need arise

This is the *core* FCC need.

In the case of an APRS tracker...it is imcumbant upon the control operator to assure that these conditions are met. "How" one does so is not as important as doing so to the best of their ability. *Ignoring* these two basic/core FCC needs invites trouble, though.

Ev, W2EV

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676. [aprssig] The real issues of the Event Bus?

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Thu, 27 Sep 2001 07:31:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38842-2001.09.27-06.58.21--lyris.aprssig#tapr.org@lists.tapr.org>
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Now that the issue of Tactical Identification and FCC Callsigns was addressed (in my previous note), it's off to focus on the event that brought all of this up.

First, this information is simply a recap of what others have said, I was not privvy to the event myself. The flow was as follows (to the best of my understanding):

o well-intended subordinate volunteers forced an issue that superior volunteers didn't buy-in to (according to Gerry, I think)
o the superior volunteer fealt put-out by it (assumption on my part)
o the superior volunteer "took the case" to an ex-FCC official for an opinion (a case based on hear-say...but with the affect of bullet #1 weighing-in heavily, no doubt)
o the ex-FCC official formed a verbal opinion (not a ruling, by any

account) without having the opportunity to fully study the issues
o the superior volunteer is now taking that as "proof" to make a
case
o the APRS listserve now reacting to that

If I have these events even close to being right...then it seems that we
don't have as much of a battle of legality on our hands (yet, anyway) as
much as we have yet another need to communicate with the parties
involved to help them to gain a clearer understanding of how APRS goes
about meeting the FCC's core needs for legal identification. We also
have a need to allow the superior volunteer to cool a bit from the
affect of the event. :o)

It sounds like Gerry has started that process. (good going, Ger!) Let's
see how far that takes us before we fan the flames further.

Ev, W2EV

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677. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: rwf <rwf@bsrg.org>
Date: Thu, 27 Sep 2001 07:48:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38845-2001.09.27-07.17.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This has worked well the during the events in which we used it.
If the "onlookers" want to know the cross reference matrix, it can be
published somewhere. Or it can be transmitted periodically. Or it can be
preassigned.
Its very similar to the way the assignments of telemetry channels can be
transmitted, and that has been in APRS-DOS for ages!

Brent wrote:
>Of course, TAC calls can be a local display option. In APRS+SA for
>example, any tactical callsign can be associated with any on-air
>callsign. And these can be assigned over the air to other stations so
>they also see the same tactical callsign. The on-air callsign can be
>anything, but preferably, the real FCC issued callsign. This also makes
>assignment of a new tactical call simple.

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678. [aprssig] Re: Amateur Radio at WTC relief effort

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Thu, 27 Sep 2001 22:08:36 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38846-2001.09.27-07.33.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, Sep 25, 2001 at 04:20:12PM +0000, Jeff King wrote:
> P.S. I can see a legitimate reason to want to send short range APRS
> data in the WTC area, yet NOT want that same data to appear on the
> internet. The question is not what people who willingly break the law will
> do but
> what we do to ourselves. In the case of the WTC tracker (tracking the
> location of relief personal), a universally accepted "nogate/rfonly" flag
> would have solved this.

Not really. You only need someone using an old version, perhaps
deliberately, to circumvent nogate/rfonly. Or they wrote their
own software.

If you don't want it on the Internet, don't transmit it; there's
nothing you can do if somebody is really determined.

Hamish
--

Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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679. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Ken Brown <W2KB@compuserve.com>
Date: Thu, 27 Sep 2001 08:48:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38848-2001.09.27-08.13.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What would be the difference between using unmanned APRS devices on buses
to track their location and similar devices on unmanned balloons, launches
of which have been reported here from time to time? If the issue of
ability to turn off the tracker remotely is in question, the trackers could
have a control receiver added on an appropriate frequency I suppose.

 ---Ken   W2KB@ARRL.net   VC-NJ   KofC

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680. [aprssig] Re: How MINIMIZE Would Work?

From: Alex <kr1st@amsat.org>
Date: Thu, 27 Sep 2001 09:05:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38850-2001.09.27-08.23.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert Kirk wrote:

> 5. Someone finally sends out a bulletin MINIMIZE CANCELLED.

I'd have to dig in the archives, but Bob B. described a nice mechanism
for this a while back which included a timeout value so that the
minimize situation only last for a certain amount of time.

73,
--Alex

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681. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 27 Sep 2001 08:20:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38852-2001.09.27-08.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Control freak? No, there is no control. There is no one person in control
>of the APRS/IS. And even if you had a specification that had RFONLY, then
>either ALL server programs or ALL client programs would need to be updated.
> How long would that take? There are still people running APRSdos pre v8!
>I bet it would be measured in YEARS. You can help fix the system. APRSd
>is open source. But then, not all servers are APRSd. For now, it is far
>better to understand the system, and use appropriately, and don't use it
>when it is not appropriate. That is my terrorist opinion.

I suppose that my words may have been too harsh and perhaps you felt I pointed
them at you. I was not intending to single you out!

My point is that the system has evolved over time to become what it is. There
is no reason why it can't evolve to become more. IGATEs are still not
prevalent, and new software for IGATEs could eventually enable new
capabilities. But if we never make the new functionality available, it will
obviously never proliferate.

I understand the system. I use the system. I am frustrated by the fact that
now that there is something in the form of IGATE software around, that
everyone seems to think it shouldn't change. As an APRS software author

Brent, you have provided much needed choice in what people use. You have
provided options to the system that other software doesn't provide. People
are using your software because it does what they need.

Many people seem to have left APRS because the system did not meet their
needs. For some, they never understood what to do with the system. Others
tried various software and found that it would not stay running or that it was
not straigtforward to configure.

Software is about enabling the users to do things that they can't do easily
otherwise...

Routing control and destination restrictions are difficult (perhaps impossible
in a broadcast network) in a connectionless protocol. But that does not mean
that some control can not be applied to make the best effort at making the
network effective.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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682. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Phil Reed <preed@dnaco.net>
Date: Thu, 27 Sep 2001 09:20:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38853-2001.09.27-08.46.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Thank you for this excellent analysis. I do have one nit to pick (and I
don't know if it changes the analysis or not.

 >I have concluded the following:
 >1) APRS does LOOSELY conform to the definition of telemetry, but it's really
 >backwards. The intent, I feel, is for a measurement instrument to send a
 >stream of data for others to interpret. APRS sort of does this, but when an
 >APRS station is using the GPS constellation the GPS satellite/receiver is
 >obviously the measurement instrument, not the APRS station. The APRS station
 >then appears to become a beacon station, rebroadcasting the measurements
 >automatically. I don't feel the loose definition of telemetry intends for
 >beaconing of measurements at regular intervals from the RECEIVING STATIONS.
 >I do NOT intend to imply that APRS is therefore an illegal mode. It's just a
 >mode based on a loose interpretation.

I beg to differ here with your interpretation. The measurement instrument
is the GPS receiver. It's measuring its distance from the various GPS
satellites, expressed as longitude and latitude. The APRS transmission is
the output of the GPS receiver. This is in essence no different than saying
that my measurement instrument is a thermometer, and the APRS station is
transmitting the output of the thermometer. The APRS station is almost
never the originator of the data when transmitting telemetry.

{more deleted}

 >What do I conclude?
 >NO ONE CAN AUTOMATICALLY DIGIPEAT A SIGNAL FROM AN UNATTENDED STATION, UNLESS
 >IT IS UNDER DIRECT OR REMOTE CONTROL, UNLESS YOU CAN VERIFY THAT THE
 >ORIGINATING STATION IS UNDER DIRECT OR REMOTE CONTROL AS WELL.

This might be trouble for my APRS weather station, especially when I am not
at home. Do I tell the owners of the various local WIDE digis not to repeat
my packets because I left the house?
- ---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
      to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----

```
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

iQA/AwUBO7Ml7ol0VBXuaP/UEQLg5ACggbqjT0AZvzVfI1Al3miNw31lUkMAoOm+
rIPpadCTqDGymGDxOnObrd8b
=HvD4
-----END PGP SIGNATURE-----
---

                                                ...phil

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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```

683. [aprssig] Re: RFONLY for APRS at WTC or any emergency

From: Alex <kr1st@amsat.org>
Date: Thu, 27 Sep 2001 09:56:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38856-2001.09.27-09.13.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Gregg G. Wonderly" wrote:

> IGATEs are still not
> prevalent, and new software for IGATEs could eventually enable new
> capabilities.

Would some form of enforcement be acceptable? I mean, as an Igate operator I think one assumes some responsibility for the integrity and operation of the internet network since one decides to become part of it. If bugs are found in Igate software which could disrupt the internet stream, one would want the Igate to update to a newer version in order to stop the disruption. This seems like a reasonable request to me. One could think of accepting only software of certain version numbers being able to connect to the internet servers. This mechanism could guarantee to some degree that a certain minimum level of functionality is available at the Igates.

73,
--Alex

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684. [aprssig] Re: The real issues of the Event Bus?

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Thu, 27 Sep 2001 08:49:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38858-2001.09.27-09.14.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev Tupis wrote:
>
> Now that the issue of Tactical Identification and FCC Callsigns was
> addressed (in my previous note), it's off to focus on the event that
> brought all of this up.
>
> First, this information is simply a recap of what others have said, I
> was not privvy to the event myself. The flow was as follows (to the
> best of my understanding):
>
> o well-intended subordinate volunteers forced an issue that
>   superior volunteers didn't buy-in to (according to Gerry, I think)

Yep.

> o the superior volunteer fealt put-out by it (assumption on my part)

As did the Amateur-licensed, technically astute president of the event sponsor. Who had vetoed the idea based on other condiserations.

> o the superior volunteer "took the case" to an ex-FCC official for

> an opinion (a case based on hear-say...but with the affect of
> bullet #1 weighing-in heavily, no doubt)

No. Haller wasn't asked for an opinion until after he had raised his own questions about the issue. He was there under multiple roles and saw the use of APRS himself and raised questions about the unattended trackers.

> o the ex-FCC official formed a verbal opinion (not a ruling, by any
> account) without having the opportunity to fully study the issues

And then called the current guy at FCC and raised an issue with HIM.

> o the superior volunteer is now taking that as "proof" to make a
> case

No. Not exactly. W2ML is taking Hollingsworth's comments about increasing enforcement at this year's event as a warning that has potentially bad implications for ham radio and volunteer activities for at LEAST the short term.

> o the APRS listserve now reacting to that

That'd be yes.

> If I have these events even close to being right...then it seems that we
> don't have as much of a battle of legality on our hands (yet, anyway) as
> much as we have yet another need to communicate with the parties
> involved to help them to gain a clearer understanding of how APRS goes
> about meeting the FCC's core needs for legal identification. We also
> have a need to allow the superior volunteer to cool a bit from the
> affect of the event. :o)

W2ML is well aware of the technical and social implications here, as well as the legal issues that could arise if the FCC decided to make strict enforcement an issue this time.

The issues, as I see them are:
1. Ad hoc modification of event procedures without at least tacit approval of the folks responsible for the event should not have occurred.
2. Someone formerly with FCC, and admittedly knowledgable about the rules and regulations, and their intpretation, raised an issue locally and to FCC officials about procedures observed, which were related to event operations.
3. The volunteers involved implemented a change without full knowledge or, possibly convern, for other considerations external to ham radio.
4. We've gotten a biased accounting, not because of malice, but because of human nature.

W2ML's got a clue on how APRS can help and can be implemented. While it'd be nice for everyone to chill a bit, there can only be one point of responsibility for an event of this sort: someone has to take the blame if there are problems from the sponsoring agency's view... unless you want ham radio as a whole to just get banned from future events like this.

>From a pragmatic view, the various Marathon race directors and sponsors do meet periodically, something I found out some years ago when I was rudely transitioned from Amateur communications to Emergency Medical Services planning for the Houston Marathon. There were discussions of FRS use, commercial use, cellphone use, as alternatives to Amateur Radio, because of perceived problems with some of the volunteers at various venues. It was folks like the Houston, Boston, Los Angeles and New York officials, who had good stories to tell, that convinced a number of other races that ham radio was an asset, even if sometimes there were problems with volunteers not necessarily understanding what they were doing that supported the event.

> It sounds like Gerry has started that process. (good going, Ger!) Let's
> see how far that takes us before we fan the flames further.

Thanks!

73, gerry n5jxs
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies

Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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685. [aprssig] Re: Fw: Fw: Staten Island and the FCC

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Thu, 27 Sep 2001 08:55:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38860-2001.09.27-09.19.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Almost certainly, none.

Thus, another issue that could be addressed by aan RPRM.

gerry
--
Ken Brown wrote:
>
> What would be the difference between using unmanned APRS devices on buses
> to track their location and similar devices on unmanned balloons, launches
> of which have been reported here from time to time? If the issue of
> ability to turn off the tracker remotely is in question, the trackers could
> have a control receiver added on an appropriate frequency I suppose.
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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686. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: "Rich Beckwith" <Rich@dps.state.mo.us>
Date: Thu, 27 Sep 2001 09:06:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38861-2001.09.27-09.28.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is an excellent idea, but the feature is unique to SA. Is the format for assigning the Alias
available to other APRS authors? Can it be made part of the spec?

Rich - Wn0x

>>> "Brent Hildebrand" <bhildebrand@earthlink.net> 09/27/01 01:03AM >>>
Of course, TAC calls can be a local display option. In APRS+SA for example, any tactical callsign can
be associated with any on-air callsign. And these can be assigned over the air to other stations so
they also see the same tactical callsign. The on-air callsign can be anything, but preferably, the real
 FCC issued callsign. This also makes assignment of a new tactical call simple.

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687. [aprssig] Is this also valid ? MYCALL>WIDE<UI,APR847,.. etc etc

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 27 Sep 2001 09:08:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38863-2001.09.27-09.36.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm seeing 'WIDE < UI' in some source path headers from the APRS internet
system. Can anyone enlighten me on the validity of this and what it's for ?

 KA9NYN>WIDE <UI,APR847,N9MXQ-15,WD9IVF*::KA9VSZ   :yup....
 KA9VSZ>WIDE3-1 <UI C,APR817,KA9VNV-15*::KA9NYN   :ack24}1
 K5BOC>WIDE <UI,APW251,GATE*,WIDE::KD5DRX-14:I see u Jay! Howdy{000
 VA3DVR-14>WIDE4 <UI,APW249,KA9VNV-15*:@270056z4248.96N/08434.31Wu083/055/ -249-<520>

KA9VNV>WIDE3-2 <UI,APX103,KA9VNV-15*:=4219.70N/08825.50WxPHG2104/Jeff in Woodstock

73 Maiko / VE4KLM

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688. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Steve Bragg <steve.bragg@itelemetry.net>
Date: Thu, 27 Sep 2001 09:33:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38866-2001.09.27-09.59.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

RMckni8527@aol.com wrote:

> 1) A Regional authority based on similar design to repeater coordination
> committees be established to handle coordination of Tactical Callsign use.
> 2) Any event wishing to use a tactical Callsign should apply to said
> committee (with an appropriate lead time - 30 days??).

<snip>

> 4) The current regulations do NOT prohibit use of Tactical calls, and as
> such, if Amateurs wish to use them without the "burden" of the new rules, may
> still do so as long as they appropriately identify their stations.

I don't know about you folks, but when the words "committee" and
"repeater coordination" start appearing in the context of APRS, it may
be time to get out.

Sheesh. We've got to over-legislate everything. This is the reason I've
stopped trying to push APRS among the public-service crowd in Oklahoma.
How can they see how COOL this is, when they can't get past their belief
that 90% of what we're doing is illegal? Oh well, screw it.

Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
there are no "repeater coordinators" on those bands.

Had-it-up-to-here 73s,

Steve Bragg KA9MVA

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===
Steve Bragg KA9MVA   steve@hamhud.net
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Find my HamHUD with findu!
http://www.findu.com/cgi-bin/find.cgi?call=ka9mva-3&radar=***

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689. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Steve Bragg <steve.bragg@itelemetry.net>
Date: Thu, 27 Sep 2001 09:39:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38869-2001.09.27-10.05.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone asserted:

> >NO ONE CAN AUTOMATICALLY DIGIPEAT A SIGNAL FROM AN UNATTENDED STATION, UNLESS
> >IT IS UNDER DIRECT OR REMOTE CONTROL, UNLESS YOU CAN VERIFY THAT THE
> >ORIGINATING STATION IS UNDER DIRECT OR REMOTE CONTROL AS WELL.

Unbelievable. Well, shut 'em all down, folks. The Dark Forces have
finally found a way to declare that APRS is illegal.

Sheesh.

Steve Bragg KA9MVA
The 2nd Great APRS QSY: 902-928 MHz

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===
Steve Bragg KA9MVA steve@hamhud.net
HamHUD APRS Mobile Terminal: http://www.hamhud.net
Owasso, Oklahoma, USA
Find my HamHUD with findu!
http://www.findu.com/cgi-bin/find.cgi?call=ka9mva-3&radar=***

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690. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 27 Sep 2001 09:48:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38870-2001.09.27-10.11.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 AM 9/27/01 -0500, Steve Bragg wrote:
>RMckni8527@aol.com wrote:
>
> > 1) A Regional authority based on similar design to repeater coordination
> > committees be established to handle coordination of Tactical Callsign use.
> > 2) Any event wishing to use a tactical Callsign should apply to said
> > committee (with an appropriate lead time - 30 days??).

Please coordinate your earthquakes, fires and floods with our office.
Your emergency is not our priority..

>Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
>Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
>there are no "repeater coordinators" on those bands.

I'm there man.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
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691. [aprssig] RE: Is this also valid ? MYCALL>WIDE<UI,APR847,.. etc etc

From: Bill Diaz <billdiaz@megsinet.net>
Date: Thu, 27 Sep 2001 10:35:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38878-2001.09.27-11.00.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maiko,
  These packets are defective. Notice that WIDE is not a valid APRS ToCall.
 The actual ToCall is in the first via. It is not unusual to see the
original ToCall deleted from such a packet. This can cause Mic-E packets
to lose location information.

The < UI appears to be a fragment of < UI > ,< UI R >, etc. This is
included in TNC display headers when MCOM is on.

Similar packets appear on my local RF network on a regular basis. Not sure what, or who is the source of the problem.

Bill KC9XG

On Thursday, September 27, 2001 9:09 AM, Maiko Langelaar [SMTP:maiko@slmsoft.com] wrote:
>
> I'm seeing 'WIDE < UI' in some source path headers from the APRS internet
> system. Can anyone enlighten me on the validity of this and what it's for
?
>
> KA9NYN>WIDE <UI,APR847,N9MXQ-15,WD9IVF*::KA9VSZ   :yup....
> KA9VSZ>WIDE3-1 <UI C,APR817,KA9VNV-15*::KA9NYN   :ack24}1
> K5BOC>WIDE <UI,APW251,GATE*,WIDE::KD5DRX-14:I see u Jay! Howdy{000
> VA3DVR-14>WIDE4 <UI,APW249,KA9VNV-15*:@270056z4248.96N/08434.31Wu083/
055/ -249-<520>
> KA9VNV>WIDE3-2 <UI,APX103,KA9VNV-15*:=4219.70N/08825.50WxPHG2104/Jeff in
Woodstock
>
> 73 Maiko / VE4KLM
>
> ---
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>

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692. [aprssig] Re: Tactical Identification and FCC Callsigns

From: RMckni8527@aol.com
Date: Thu, 27 Sep 2001 12:08:20 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-38902-2001.09.27-11.33.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/27/01 4:26:39 AM Pacific Daylight Time,
w2ev@rochester.rr.com writes:

> The FCC's need doesn't change when APRS us used as the communication
> medium:
> o ability to correlate a valid FCC Callsign with every
>   transmitting station (but not necessarily with every transmission
>   coming from that station)
> o being able to find/locate that station (and/or control
>   operator of that station) should the need arise
>
> This is the *core* FCC need.
>
> In the case of an APRS tracker...it is imcumbant upon the control
> operator to assure that these conditions are met. "How" one does so is
> not as important as doing so to the best of their ability. *Ignoring*
> these two basic/core FCC needs invites trouble, though.
>

Ev, I believe your overall interpretation is sound, however, when I read the section on Station Identification closely, I get a slightly different intent. To me the purpose of identification is intended not necessarily at the FCC, but at all the stations that someone is in communications with. It clearly states that you must make your source of transmission known to those who receive it. The FCC has a wide variety of means available to them including transmitter fingerprinting techniques that allow them to identify you along with sophisticated DF methods. The average ham does not.

A "Tactical Callsign" fits under two areas - 1) self assigned indicator 2) special event callsign. I feel it more closely fits #2, and something I wasn't aware of, when using a special event callsign, you must ID with it as usual every 10 minutes and at the end of a communications, however you only need to transmit your ASSIGNED FCC CALLSIGN once each hour! The event coordinators need to maintain a "database" of special event calls being used and make that list available and known.

Your views on voice associations is quite valid. That's why I conclude that

APRS can't satisfy the intent of making the source of a transmission known to
others who receive it without sending a valid callsign or special event call
with each transmission. The FCC uses the term "communication". Historically
this has been interpreted as conversation, which we don't have on APRS - it's
a broadcast protocol. Since an APRS station broadcasts to anonymous
listeners a communication is never established except in the rare cases when
a station ACK's a message. Since it is very difficult if not impossible on a
crowded freq like 144.39 to audibly identify an APRS station by it's "voice",
I don't feel we meet the intent of making our source of transmission known
unless we ID with some valid call (assigned or tactical) with EACH
transmission.

73's
Ray - WB3ABN
Kingston, WA

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693. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Ray.Rolison@txucom.com
Date: Thu, 27 Sep 2001 11:10:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38903-2001.09.27-11.35.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 AM 9/27/01 -0500, Steve Bragg wrote:
>RMckni8527@aol.com wrote:
>
> > 1) A Regional authority based on similar design to repeater coordination
> > committees be established to handle coordination of Tactical Callsign use.
> > 2) Any event wishing to use a tactical Callsign should apply to said
> > committee (with an appropriate lead time - 30 days??).

Please coordinate your earthquakes, fires and floods with our office.
Your emergency is not our priority..

>Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
>Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
>there are no "repeater coordinators" on those bands.

I'm there man.

--
Dave's Engineering Page: http://www.dvanhorn.org

Got a need to read Bar codes? http://www.barcodechip.com
Bi-directional read of UPC-A, UPC-E, EAN-8, EAN-13, JAN, and Bookland, with
two or five digit supplemental codes, in an 8 pin chip, with NO external parts.

Don't leave without me. I'm going too.

de KD5CUB

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694. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 12:13:45 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38904-2001.09.27-11.39.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not going to get into this one.

When elephants are fighting over fleas, everything within miles gets
decimated.

de WB4APR, Bob

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695. [aprssig] Re: Tactical Identification and FCC Callsigns

From: Ray.Rolison@txucom.com
Date: Thu, 27 Sep 2001 11:24:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38906-2001.09.27-11.49.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev, I believe your overall interpretation is sound, however, when I read the section on Station Identification closely, I get a slightly different intent. To me the purpose of identification is intended not necessarily at the FCC, but at all the stations that someone is in communications with. It clearly states that you must make your source of transmission known to those who receive it. The FCC has a wide variety of means available to them including transmitter fingerprinting techniques that allow them to identify you along with sophisticated DF methods. The average ham does not.

A "Tactical Callsign" fits under two areas - 1) self assigned indicator 2) special event callsign. I feel it more closely fits #2, and something I wasn't aware of, when using a special event callsign, you must ID with it as usual every 10 minutes and at the end of a communications, however you only need to transmit your ASSIGNED FCC CALLSIGN once each hour! The event coordinators need to maintain a "database" of special event calls being used and make that list available and known.

Your views on voice associations is quite valid. That's why I conclude that APRS can't satisfy the intent of making the source of a transmission known to others who receive it without sending a valid callsign or special event call with each transmission. The FCC uses the term "communication". Historically this has been interpreted as conversation, which we don't have on APRS - it's a broadcast protocol. Since an APRS station broadcasts to anonymous listeners a communication is never established except in the rare cases when a station ACK's a message. Since it is very difficult if not impossible on a crowded freq like 144.39 to audibly identify an APRS station by it's "voice", I don't feel we meet the intent of making our source of transmission known unless we ID with some valid call (assigned or tactical) with EACH transmission.

73's
Ray - WB3ABN
Kingston, WA

In the Army we called this "Barracks Law". The intentions were good but the outcome usually wasn't.

de KD5CUB

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696. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 27 Sep 2001 11:31:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38907-2001.09.27-11.57.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 AM 9/27/01, Steve Bragg wrote:

>Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
>Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
>there are no "repeater coordinators" on those bands.

As I said, one person can really bollocks up the works. And again, based from my on personal experiences in the past, I think that no matter what hoops people jumped through, Mr. Mehndelsohn would veto APRS use - although

I do not know the man personally.

And had things gone a little differently in Arizona, APRS may never have
gotten a "coordinated" frequency in Arizona, again because of one person...

My 2.4 GHz antenna is being delivered as I type...

Mark
KC7BXS

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697. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Matthew Payne <kb9uje@qsl.net>
Date: 27 Sep 2001 11:40:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38908-2001.09.27-12.05.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2001-09-27 at 09:48, David VanHorn wrote:

> >Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
> >Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
> >there are no "repeater coordinators" on those bands.
>
> I'm there man.
>

My thoughts exactly.

Wait for me!

Bureaucracy defends the status quo long past the time when the quo has
lost its status
- Laurence J. Peter

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698. [aprssig] wtc discussion

From: Kevin Deckert <kdeckert@wellsgray.net>
Date: Thu, 27 Sep 2001 09:48:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38909-2001.09.27-12.13.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thank all and everyone for ongoing discussion of APRS in disaster
situations, I am a Search and Rescue manager as well as emergency
communications officer.
I am currently working to establish APRS for our SAR, Emergency
communications... It is good to read these discussions before I face the
questions from those I am presenting this system to.
I appreciate Bob's ideas concerning minimize and routine etc.... APRS
is not a seperate entity that exixts on it's own. We of the amateur
radio community have built and use the system. It is up to us to improve
it as we find more uses for it. KEEPING IN MIND!!!! in an emergency
when other things fail Simple is best...providing it is well tested and
operators are Very familiar with the system..ve7whk

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699. [aprssig] Are unattended trackers legal?

From: RMckni8527@aol.com
Date: Thu, 27 Sep 2001 13:14:05 EDT

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38913-2001.09.27-12.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

§97.5 Station license grant required.
(a) The station apparatus must be under the physical control of a person
named in an amateur station
license grant on the ULS consolidated license database or a person authorized
for alien reciprocal
operation by §97.107 of this part, before the station may transmit on any
amateur service frequency
from any place that is:
(1) Within 50 km of the Earth’s surface and at a place where the amateur
service is regulated by the
FCC;.....

I didn't write the regs and I'm NOT asking anyone to QSY or demanding that YOU change what you are doing. I'm just asking what I hope are intelligent questions regarding our RESPONSIBILITY to understand the regulations that we as licensed hams are required to comply with. Maybe I was under the incorrect assumption that this SIG is a forum for open discussion?

And I'm not apologizing to the SIG for any of my posts or the questions they raise. I feel we should have a common understanding of our responsibilities in order to effectively be the self-regulating service that the FCC expects us to be. If we don't regulate ourselves or do it poorly big brother will step in and do it for us, or maybe even shut it down if they don't have the time, personnel or funds to regulate it.

NOW - I ask the question, can a tracker be placed in a vehicle with non-hams legally? From the cite quoted above, I think not. Balloons? Rockets? Remote DIGI sites? It doesn't say the licensee must be physically present with the equipment, just under their control. By placing a transmitter (tracker) on an event bus you give control of the transmitter to a non-Amateur unless you provide some means to prevent unlicensed people from controlling it. A locked box, an inaccessible location, something.

If I take my vehicle to the shop for repairs, I ensure that either I remove the radio, antenna, take out the fuse, remove the microphone - something to prevent unlicensed transmission. Who knows when a curious mechanic might think it's a fancy CB and start calling breaker breaker on the local repeater freq!

That's how I see it - your opinion and your license is up to you. Again, I didn't make this stuff up out of thin air, I'm just trying my best to understand my responsibilities under the law.

I don't subscribe to the "it's better to ask forgiveness..." principal. Or am I the only person on the sig other than Ev who bothers to read the regs?

Ray - WB3ABN
Kingston, WA
□□□□y□□□□+.n□+□□□□□□□□"□□□□*□□□□□"□□Z□□□□{.n□+□□□zwZnV□□□[h□□{□□□□"□□8□□□l□□□□+□□□□□□□□□x-□□
-□□^H□□vh□□□kj□+□□□□□□□k□□□

700. [aprssig] Are unattended trackers legal? (hopefully not scrambled this time)

From: RMckni8527@aol.com
Date: Thu, 27 Sep 2001 13:24:45 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38915-2001.09.27-12.49.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"I apologize for the last post - I have no idea how it got scrambled"

§97.5 Station license grant required.
(a) The station apparatus must be under the physical control of a person
named in an amateur station
license grant on the ULS consolidated license database or a person authorized
for alien reciprocal
operation by §97.107 of this part, before the station may transmit on any
amateur service frequency
from any place that is:
(1) Within 50 km of the Earth’s surface and at a place where the amateur
service is regulated by the
FCC;.....

I didn't write the regs and I'm NOT asking anyone to QSY or demanding that YOU change what you are doing. I'm just asking what I hope are intelligent questions regarding our RESPONSIBILITY to understand the regulations that we as licensed hams are required to comply with. Maybe I was under the

incorrect assumption that this SIG is a forum for open discussion?

And I'm not apologizing to the SIG for any of my posts or the questions they raise. I feel we should have a common understanding of our responsibilities in order to effectively be the self-regulating service that the FCC expects us to be. If we don't regulate ourselves or do it poorly big brother will step in and do it for us, or maybe even shut it down if they don't have the time, personnel or funds to regulate it.

NOW - I ask the question, can a tracker be placed in a vehicle with non-hams legally? From the cite quoted above, I think not. Balloons? Rockets? Remote DIGI sites? It doesn't say the licensee must be physically present with the equipment, just under their control. By placing a transmitter (tracker) on an event bus you give control of the transmitter to a non-Amateur unless you provide some means to prevent unlicensed people from controlling it. A locked box, an inaccessible location, something.

If I take my vehicle to the shop for repairs, I ensure that either I remove the radio, antenna, take out the fuse, remove the microphone - something to prevent unlicensed transmission. Who knows when a curious mechanic might think it's a fancy CB and start calling breaker breaker on the local repeater freq!

That's how I see it - your opinion and your license is up to you. Again, I didn't make this stuff up out of thin air, I'm just trying my best to understand my responsibilities under the law.

I don't subscribe to the "it's better to ask forgiveness..." principal. Or am I the only person on the sig other than Ev who bothers to read the regs?

Ray - WB3ABN
Kingston, WA
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-□□^H□□vh□□□kj□+□□□□□□□k□□□

701. [aprssig] Ham Radio is Dieing...

From: Bill Vodall <wa7nwp@yahoo.com>
Date: Thu, 27 Sep 2001 10:25:42 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38916-2001.09.27-12.50.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > >Time to move APRS off 2 meters, folks. It's hallowed ground,
> like HF.
> > >Let's go over to 900 MHz and 2.4 GHz and do what we do best
> (innovate);
> > >there are no "repeater coordinators" on those bands.
> > I'm there man.
> My thoughts exactly.
>
> Wait for me!

Not me. Not exclusively anyway!

The FCC has made two messages clear in the past year or so.

1. Amateur Radio as we know it is dieing. We need to do new
   and interesting things or the frequencies are gone.

2. They (the FCC) doesn't want to be bothered with the nits.
   We are to police ourselves.

Properly configured, a tracker with tactical ID is not a problem. If it gets in a snit, the folks in the area track it down and fix it. No problem. They ID it and that's what's important.

The APRServe Internet SYSTEM! is cool. Far from perfect but it's still neat, useful, innovative and a good thing. It is part of the 144.39 network. If a station transmits on 144.39, they should expect to be part of the system. The packets WILL BE gated and archived. (Note: the users still have complete control!)

If an amateur transmits on any other amateur frequency, their transmission MAY BE gated, recorded, archived, folded, spindled, etc. That is the amateur world. (The users have complete control.)

For every one of those few who don't want to be on the Internet,
there are hundreds that think it's cool and useful.   The
users have complete control!

Sure, for $100 or so, a station can move to 2.4 Gig. Once there
it's possible to download at 11,000,000 bits per second, watch
Bad Bug video's, see elephants doing naughty things to Green
Orion girls and even search APRSsig archives - all with no
callsign, tactical or otherwise. (Ok - so there's a MAC
address...)

To contrast that we use puny 1200 bits per second and 70
bytes of data per packet.   This is innovative?   No wonder
the newspaper article called Amateur Radio dinosaurs. And
we're worrying about having to ID each packet or if some
Internet server archived our packets? Those are non-problems
and non-issues.

Puny as it is, I'm staying here - and I believe there is
new, better, faster, neater stuff that can be done. Both
with RF and the Internet "amplifier".

Bill, WA7NWP

PS. If an Incident commander says the location of the potties
is classified - then it's classified.   He's da boss!

_____
Do You Yahoo!?
Listen to your Yahoo! Mail messages from any phone.
http://phone.yahoo.com

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702. [aprssig] Re: Tactical Identification and FCC Callsigns

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 27 Sep 2001 12:07:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38922-2001.09.27-13.32.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray,

I don't to point a finger or slam ya man, but your message is totally FALSE!!

Your item #2 "Special Event Callsigns" you refer to, that include the 10 minute rule and the requirement
 for your 'real' callsign every hour does NOT apply to the self issued 'Tactical Identifiers' used in
APRS.

Your item #2 refers to FCC issued special event call signs. Such as the 1x1 signs used for limited time,
 special event stations. Your reference here has nothing to do with self assigned 'Tactical Identifiers'
 such as BUS-1 etc. Here's some more info on 1x1 and "Special Event Callsigns"
http://www.arrl.org/arrlvec/1x1.html

Remember the clarification - there really is no such thing as a "Tactical Callsign" - they're really
self assigned "Tactical Identifiers" (good clarification Ev!) - or nick names if you will. They've
nothing to do with FCC issued callsigns or legal identification at all.

FCC issued callsings, whether special event calls or 'origional' calls are the only legal identifiers -
as has been beat to death several times already....

73

RMckni8527@aol.com wrote:
>
> A "Tactical Callsign" fits under two areas - 1) self assigned indicator 2)
> special event callsign. I feel it more closely fits #2, and something I
> wasn't aware of, when using a special event callsign, you must ID with it as
> usual every 10 minutes and at the end of a communications, however you only
> need to transmit your ASSIGNED FCC CALLSIGN once each hour! The event
> coordinators need to maintain a "database" of special event calls being used
> and make that list available and known.
>

```
--
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               ++++++++++++++++++++++++++++++++++++++++++++++++

"I fear all we have done is to awaken a sleeping giant and fill him with a terrible resolve."
         - Admiral Yamamoto

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```

703. [aprssig] Run for America

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 16:13:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38941-2001.09.27-15.37.55--lyris.aprssig#tapr.org@lists.tapr.org>
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```

```
Special Event, Run For America.

We will be tracking the running of the FLAG from the Pentagon to New York
tomorrow (starting at 6 AM EDT taking probably 24 hours or more?) with a
raw GPS tracker.  THe track should show on our dedicated site:

http://www.ew.usna.edu/~bruninga/run4usa.html

Or http://www.aprs.net
or http://map.findu.com/FLAG

This is a last minute affair, so no promises...
We will also attempt to send a position report via ISS and UO22.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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704. [aprssig] good GPS?

```
From: Ken Cechura <kcechura@umr.edu>
Date: Thu, 27 Sep 2001 15:49:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38945-2001.09.27-16.18.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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what's a good (low cost) gps for trackers?  right now, i'm just looking for
a unit for trackers, display isnt important at this time, but while i'm at
it, who makes a decent low-priced unit with a display?

thanks
Ken

      ////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           Station Manager, W0EEE                 //
  // University of Missouri-Rolla Amateur Radio Club  //
////////////////////////////////////////////////////////
```

705. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

```
From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Thu, 27 Sep 2001 14:00:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38946-2001.09.27-16.26.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 27, 2001 7:06 AM
Subject: [aprssig] Re: Trackers, Digipeating, Control Ops, et al

This is an excellent idea, but the feature is unique to SA. Is the format for assigning the Alias available to other APRS authors? Can it be made part of the spec?

Rich - Wn0x

Yes, I've documented this before. To set your own TAC callsign, send an APRS message TO TACTICAL, and put your callsign in the message text. To set others TAC call, send an APRS message to TACTICAL, and enter:
CALL1=TAC1;CALL2=TAC2;CALL3=TAC3, etc...

The "=" and ";" characters can not be in the TAC callsign.

Brent KH2Z

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706. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 27 Sep 2001 14:10:36 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38949-2001.09.27-16.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 26 Sep 2001, Bob Bruninga wrote:

> Just put SPACEs where you lack precision in either the LAT or LONG.

> positions of our boats and other objects with any real precision. So
> position ambiguity is NOT to MASK or HIDE people, it is there to show that
> not all POSITIONS are known ACCURATELY.
>
> Thus, APRSdos only showed a postion as accurate as the originator entered
> it. It he said he was at 38 degrees 59 minutes north and 73 degrees
> 29 minutes west, then he is drawn as a 1 mile diameter circle around that
> point. To plot him at 3859.00 and 07629.00 is just plain WRONG. It
> implies precision where precision does NOT EXIST.
>
> Many recent APRS versions still do not support the display at the
> RECEIVE end when a position is not accurate. The term POSITION
> AMBIGUITY was invented as the formal way to describe this lack
> of position precision.

You are describing precision here, not accuracy. Precision:
The number of significant digits to which a value has been reliably
measured.

Xastir supports ambiguity, and plots it as a rectangle instead of a
circle. Vary the unknown digits from 0 through 9 and see what
geometric figure you end up with (It's not a circle).

By dropping digits from the original position you've made yourself
run around inside a rectangle. If a station is moving and has
ambiguity turned on while crossing a rectangle boundary, the
ambiguity rectangle immediately shifts to an entirely different area
and stays until you cross the next boundary. Think of a checkerboard
with the sizes of the rectangles specified by the ambiguity. At any
given time you only know which rectangle you're in, but you're most
likely not at the center of it as you drive across.

Imagine driving down a curvy road along the edges of two rectangles.
The rectangle displayed at receiving stations would alternate back
and forth between the two. Xastir would show you as switching back
and forth between two points which are the centers of the rectangles,
and if you didn't have ambiguity display turned on, it would seem
rather strange (you can enable/disable the "ambiguity" rectangles).
If it _was_ turned on you'd see the shaded rectangles alternating
and could perhaps figure out the person was driving along the edges.

The end effect is that it _does_ hide where the person is at, and

doesn't really describe the precision of the position. It should be
drawn as a rectangle (or a square depending on the map projection)
instead of a circle/ellipse.

If the idea were really to show the known precision of the position,
then all of the digits should be transmitted, and another suffix
should be specified on the end of the packet to tell the precision.
Then the object could be drawn as a circle or ellipse around that
point and the circle would follow along with the mobile station as it
moved.

As it stands now it _must_ be drawn as a square or rectangle, not
as a circle/ellipse.

Any comments?

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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707. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Thu, 27 Sep 2001 22:33:07 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38950-2001.09.27-16.36.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "Bob Bruninga" <bruninga@usna.edu>
> actually implemented out of all the suggestions.. NOGATE I
> think is the proper term for the NO-IGATE mechanism and "x-no-archive" was
> the opt-out. But I wanted a much more suscinct abbreviation of that.
> SOmething like "!no%" I think it was... Here was my post:
>
> > My only request is that we shorten this substantially. WIth only 20
> > bytes in the D7 STATUS line, I dont like taking up 60% of them with
> > the above flag.

This was not the way NOGATE or RFONLY should work when I proposed it at that
time, my idea was to add it at the end of the path. Set once and don't think
about it, works for everything. No space waste on the 20 status line bytes.
Messages, positions, everthing should stay on RF or not enter an IGATE.

Still I regret doing this proposal. There are now way too many options to
opt out and many installations that only support subsets with the nett
effect that you don't have a clue which option works this time, especially
when you are in an unknown area. Yet you add another option, "!no%", even
more confusion. Still I find NOGATE or RFONLY the most easy to remember and
the most comfortable to use.

Kind regards,

Henk.

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708. [aprssig] Re: good GPS?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 27 Sep 2001 15:14:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38951-2001.09.27-16.39.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DeLorm Tripmate - refurb. 12 Ch, no display $50 - does take a mod - easily done and info widely
available.

http://www.delorme.com/user/bargains.htm

Basic hand held GPS w/display? Seems the eTrex is popular. One I use isn't made anymore (magellan 2000XL). Check online for features and prices - that's the difference.

Ken Cechura wrote:
>
> what's a good (low cost) gps for trackers? right now, i'm just looking for a unit for trackers, display isnt important at this time, but while i'm at it, who makes a decent low-priced unit with a display?
>
> thanks
> Ken

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62        |
               |    http://groups.yahoo.com/group/RM-APRS    |
               |    "The Dungeon" at http://go.to/KC7ZRU     |
               | LINUX user: 227845  http://counter.li.org/  |
               ++++++++++++++++++++++++++++++++++++++++++++++
```

"I fear all we have done is to awaken a sleeping giant and fill him with a terrible resolve."
         - Admiral Yamamoto

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709. [aprssig] email server?

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 27 Sep 2001 17:19:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38952-2001.09.27-16.46.04--lyris.aprssig#tapr.org@lists.tapr.org>
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I just sent a message to EMAIL with my intended email address in it, and got
no reply from the sproul's email robot.... is it still active?

Wes

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710. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 17:56:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38956-2001.09.27-17.20.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Sep 2001, Curt Mills, WE7U wrote:

> You are describing precision here, not accuracy. ....
>
> If the idea were really to show the known precision of the position,
> then all of the digits should be transmitted, and another suffix
> should be specified on the end of the packet to tell the precision.

Huh? Thats what position ambiguity is. The LAT/LONG in APRS formats (not Mic-E) are an ASCII string of numeric digits. Any least significant digits that are ambiguous are replaced with a SPACE character. Just like one would write it. THus it makes no sense to send a precision you dont have and then another code to tell you what digits to ignore?

The approximate 1 mile ambiguous position around 3859N and 07629W is transmitted in APRS as !3859. N/07629. W-My house

Or am I missing your point?

> Then the object could be drawn as a circle or ellipse around that
> point and the circle would follow along with the mobile station as it
> moved.

Thats the way   mine works.. It draws a circle at that location.
>

> As it stands now it _must_ be drawn as a square or rectangle, not
> as a circle/ellipse.

No, the circle or square or whatever you want to draw is nothing more
than a "visual indicator" to replace the ICON so that in no uncertain
terms, the viewwer will not missinterpret a position as having greater
precision than it does. The circle shows the approximate lack of
precision. Yes to be absolutely accurate, it is a rectangle of ambiguity,
but it makes no sense to be absolutely accurate when trying to convey lack
of precision.

THus think of the circle (to replace the ICON) as the DISPLAY INDICATOR of
an inprecise position. In APRSdos, the ICON is displayed at all zoomn
levels until the size of the ICON becomse smaller than the actual area of
ambiguity. At that point, the ICON is replaced by the circle so that
there is never any question of the lack of precision of that position.

The circle is an indicator. You may use rectangles if you like, but to me
it deviates from the simplicity of the position ambiguity concept we are
trying to convey.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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711. [aprssig] Re: Amateur Radio at WTC relief effort

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 17:58:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-38957-2001.09.27-17.23.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Sep 2001, Henk de Groot wrote:

> Van: "Bob Bruninga" <bruninga@usna.edu>
> > actually implemented out of all the suggestions.. NOGATE I
> > think is the proper term for the NO-IGATE mechanism and "x-no-archive" was
> > the opt-out. But I wanted a much more suscinct abbreviation of that.
> > SOmething like "!no%" I think it was... Here was my post:
> >
> > > My only request is that we shorten this substantially. WIth only 20
> > > bytes in the D7 STATUS line, I dont like taking up 60% of them with
> > > the above flag.
>
> This was not the way NOGATE or RFONLY should work when I proposed it at that
> time, my idea was to add it at the end of the path. Set once and don't think
> about it, works for everything. No space waste on the 20 status line bytes.
> Messages, positions, everthing should stay on RF or not enter an IGATE.

Mixing apples and oranges. NOGATE and RFONLY area in the via path as you
suggest. But the only thing that Steve said he would honor in FINDU was
the "x-no-archive". That can only go in the comment field, and that is
what I think is too verbose to use for APRS applications.

de WB4APR@amsat.org, Bob

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712. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 27 Sep 2001 15:37:20 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38962-2001.09.27-18.02.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Sep 2001, Bob Bruninga wrote:

> On Thu, 27 Sep 2001, Curt Mills, WE7U wrote:
>
> > If the idea were really to show the known precision of the position,
> > then all of the digits should be transmitted, and another suffix
> > should be specified on the end of the packet to tell the precision.
>
> Huh? Thats what position ambiguity is. The LAT/LONG in APRS formats (not
> Mic-E) are an ASCII string of numeric digits. Any least significant
> digits that are ambiguous are replaced with a SPACE character. Just like
> one would write it. THus it makes no sense to send a precision you dont
> have and then another code to tell you what digits to ignore?

Sorry, I should have thought about that part of my message more.
You'd still end up having to draw a rectangle around that point, and
not a circle. You're allowing individual digits to range between
0 and 9, which makes a rectangle. About the only win here would be
that you'd have a reference point that could follow along with your
best guess of where the station is, but that reference point may or
may not be near the center of the rectangle, so it's not much of a
win. There's really not that much there in terms of useful data.

Never mind on that one... I'm dropping that position. :-)

> The approximate 1 mile ambiguous position around 3859N and 07629W is
> transmitted in APRS as !3859. N/07629. W-My house

So that varies between 38 59.00 and 38 59.59, and between 76 29.00
and 76 29.59. Draw all of the area in and you have a rectangle, not
a circle.

> > Then the object could be drawn as a circle or ellipse around that
> > point and the circle would follow along with the mobile station as it
> > moved.
>
> Thats the way mine works.. It draws a circle at that location.
> >
> > As it stands now it _must_ be drawn as a square or rectangle, not
> > as a circle/ellipse.
>
> No, the circle or square or whatever you want to draw is nothing more
> than a "visual indicator" to replace the ICON so that in no uncertain
> terms, the viewwer will not missinterpret a position as having greater
> precision than it does. The circle shows the approximate lack of
> precision. Yes to be absolutely accurate, it is a rectangle of ambiguity,
> but it makes no sense to be absolutely accurate when trying to convey lack
> of precision.

Why not? You're saying that the station is somewhere inside that
circle, which is absolutely incorrect. If you were to draw a rectangle
instead, then you could say with certainty that it was inside those
bounds somewhere. Much more useful information I would think.

> The circle is an indicator. You may use rectangles if you like, but to me
> it deviates from the simplicity of the position ambiguity concept we are
> trying to convey.

I disagree (obviously). Your circles are misleading as to the
possible position of the station.

Imagine a station broadcasting an ambiguity circle. Add in that it's
a portable station, he's in the woods, having medical trouble, it's a
life-or-death situation, and he's managed to get one message out
asking for help before he passes out.

SAR people come in, look at the circle on the map, and search that
area first. What if he wasn't inside that boundary? Someone might
have just died. The circle defined some areas that should _not_ have
been searched, and left out some that _should_ have been searched.

Ok, not a likely situation, but it illustrates the point. If it was
drawn properly with a rectangle then the person might have been

found more quickly, hopefully alive.

We could change it to a stolen car with a tracker or a lost bus in a
large marathon. The same boundary problems apply. Circles for this
application are absolutely incorrect.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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713. [aprssig] The periodic BEACONet update

From: "E. Tupis W2EV" <w2ev@rochester.rr.com>
Date: Thu, 27 Sep 2001 18:43:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38965-2001.09.27-18.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In case anyone cares...here is what can be heard from Europe, on
BEACONet^31 (28.131 MHz USB). Remember, the ^31 means that participants
use PSK31 modulation from a computer sound card, rather than AX.25.

I thought it would be significant as it shows our first European
BEACONet^31 participant. Can we interest any others? :-)

Ev, W2EV
http://go.to/BEACONet

- -

Hi All

since few days, i come on BEACONet - It is interesting.
Yesterday no propagation .
this evening, i hear this follow station.

Callsign	Type	Latitude	Longitude	Km	Bearing	Last Heard
F8BNN*	Grid Squ.	[JN39EC]		0.0	0	sept 27 21:36
KC5DUI*	Grid Squ.	[EM26WE]		7751.3	302	sept 27 21:19
WD4RBX*	Grid Squ.	[EM84NM]		7155.6	294	sept 27 21:37
N2VRJ*	Grid Squ.	[EL86TX]		7705.4	288	sept 27 21:22

73, all
Marc
f8bnn

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714. [aprssig] Network Upgrades and New Digis SE

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Thu, 27 Sep 2001 18:48:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38973-2001.09.27-18.15.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am happy to announce the upgrades to Western Va as well as New Digis to
the North have begun. The Digis formerly known as:

WB4QOJ-5 Poor Mtn (Roanoke, VA) Is now known as:

N2EDE-3 Poor Mtn Va.   WIDEN-N   NOW!
Thanks to Clyde, N2EDE . If passing thru the Roanoke Area Thank Clyde on the
145.210 pl 94.8 repeater (also N2EDE)

AND

WB4QOJ-2, Sand Mtn. Va (Southwest of Wytheville) will soon be:
KE4HI-3 Sand Mtn. Va   WIDEN-N

Fred KE4HI has his hardware ready to go on the tower, but will be delayed abt a week. Fred can generally be found on 146.895-pl103.5 or 444.325+pl103.5 during the early morning.

A new digi for Va, is KN4U-3 WIDEN-N + WX on a mountaintop near Harrisonburg, Va. Thanks to Ronnie, and Vic for their donation to the network. (Note: this one is filling the gap from Va to the North for those of us in NC, and SC.

Thanks to Lee McDaniel, WB4QOJ, (Now of Atlanta, Ga.) for pioneering the Va effort. His was the VERY first 2 digis in the state.

A final note to Thank Steve, KA4YMY Richard, KA4KMA and Ken, KC4YOZ for their contributions in Albemarle, Youngs Mtn, (Winston-Salem) NC and Pageland, SC

As always your efforts are appreciated.

Lee/KD4TQZ

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715. [aprssig] Re: Amateur Radio at WTC relief effort

From: Arte Booten <n2zrc@earthlink.net>
Date: Thu, 27 Sep 2001 19:26:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38975-2001.09.27-18.51.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

     I've been following this thread closely. I also spent more than 40 hours actively participating in rescue and recovery efforts, over half of which was spent as Net Control Station for New York City RACES and a few more hours at Red Cross.

     Aside from the paranoia that has set in here, there were other security issues we needed to deal with. The New York City Mayor's Office of Emergency Management teams needed to change locations at least five times that I'm aware of because of breaches of security, some of which occurred on the net. Far more than an inconvenience, this set them back hours each time they had to move.

     Those of you that have worked with The American Red Cross know they have very strict confidentiality rules as applied to served clients. We can't mention names, addresses, phone numbers or any other identifying data.

     One of the few things APRS might have been useful for is that every three or four hours, Red Cross Disaster Management needed to know numbers from the shelters. These included population and staffing. APRS usage in this instance could have been useful, as hams at shelters could have punched this stuff in at any time (I'd remind them to occasionally) so that it could simply be pulled by our man at ARC at his convenience. However, few members of NYC RACES are familiar enough with APRS to have made this workable ... even if they had had a fullblown APRS setup (TNC/Radio/Computer) available to them.

     My first indication that something was up at all on 11 Sep was the message Clay (AA3JY) sent via APRS that I saw on my D700 while working. I then put the other VFO to our local ARES/RACES frequency and checked in ... a net was already forming in preparation to an official activation.

     This was an extremely trying time for all of us. Personally, I was driving up the New Jersey Turnpike with a clear view of the smoke and dust wafting from the disaster site and over Brooklyn. The south tower had already fallen and I was looking at the north tower. I glanced at my speedomenter and mirrors for a total of maybe five seconds, looked back and the north tower was gone. When I was a kid, I remember touring the then unfinished towers with a class group, and I've been there many times. I daily traverse that same area on the highway and the absence

of those two landmarks sticks out like an open wound.

     We of New York City RACES (and all the hundreds of hams that unselfishly came to help ... there were callsigns on that net from all over!) saw our finest hours. Amateur Radio was used as it was intended in Part 97, as a backbone when other means of communications are unavailable. I am proud of my RACES colleagues, the professionality of our service and the long-needed recognition of our abilities from ARC and NYC-OEM.

     All this talk about whether or not this stuff should have gone out via the internet is moot to me. We were too busy coping with the grim reality of rushing to find survivors, aiding refugees from the area and supporting the myraid services that needed us to be concerned about airing position data locally, much less worldwide. Those of you that were there know exactly what I'm talking about. Those of you that weren't will never, I hope, know the terror and bedlam we faced.   73

+--+
|Arte Booten <n2zrc@arrl.net> AEC for Digital Services, NYC ARES/RACES|
|Riverdale, New York   [FN30bv]   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: D73E B889 C630 6F4A F31F 3083 56BD 0AAD 9996 B03 |
+--+

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716. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 19:55:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38980-2001.09.27-19.20.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Sep 2001, Curt Mills, WE7U wrote:

> > The approximate 1 mile ambiguous position around 3859N and 07629W is
> > transmitted in APRS as !3859. N/07629. W-My house
>
> So that varies between 38 59.00 and 38 59.59, and between 76 29.00
> and 76 29.59. Draw all of the area in and you have a rectangle, not
> a circle.

No, if you want to get precise (which is juxtaposed to the whole concept of position ambiguity), it goes from 3858.5 to 3859.5 etc...and 7628.5 to 7629.5. But again, this is not the purpose of ambiguity circles. The purpose of ambiguity circles is to convey to the end user that the position is not precise. Any attempts at then drawing precise boundaries around this ambiguity is pointless... and in fact violates the whole concept in the first place...

> Why not? You're saying that the station is somewhere inside that
> circle, which is absolutely incorrect. If you were to draw a rectangle
> instead, then you could say with certainty that it was inside those
> bounds somewhere. Much more useful information I would think.

No. I am not saying he is in the circle. I am saying that the circle tells you that the position is inprecise to about the size of the circle. It says nothing about where he is precisely.. You are missing the whole point of position ambiguity. The purpose of ambiguity circles (by defininition) is to convey to the end user that the position is not precise. Any attempts at then drawing precise boundaries around this ambiguity is pointless... and in fact violates the whole concept in the first place...

> I disagree (obviously). Your circles are misleading as to the
> possible position of the station.

No, your boxes are attempting to represent a precise border around inprecision. It is this kind of interpretation that is the whole danger that position ambiguity is trying to avoid.

The following example that you use is exactly why any attempt to draw precision where precision does not exist is something to avoid completely in anything to do with ambiguous positions.

In APRS, position ambiguity means exactly that by definition. Please do

not try to make precise boundaries around an ambiguous position.

Bob

> Imagine a station broadcasting an ambiguity circle. Add in that it's
> a portable station, he's in the woods, having medical trouble, it's a
> life-or-death situation, and he's managed to get one message out
> asking for help before he passes out.
>
> SAR people come in, look at the circle on the map, and search that
> area first. What if he wasn't inside that boundary? Someone might
> have just died. The circle defined some areas that should _not_ have
> been searched, and left out some that _should_ have been searched.
>
> Ok, not a likely situation, but it illustrates the point. If it was
> drawn properly with a rectangle then the person might have been
> found more quickly, hopefully alive.
>
> We could change it to a stolen car with a tracker or a lost bus in a
> large marathon. The same boundary problems apply. Circles for this
> application are absolutely incorrect.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
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>

de WB4APR@amsat.org, Bob

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PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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717. [aprssig] path problems and FINDU in Maryland - a little long - from N3HGB-5

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Thu, 27 Sep 2001 20:44:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38984-2001.09.27-20.11.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I changed my path this morning to APRS VIA RELAY, WIDE, TRACE3-3 and xmit
every 10 minutes. By watching the VHF live feed from the Naval Academy I can
see I am ALWAYS getting picked up over there every 10 minutes. However, my
input to FINDU is quite erratic, and if I read the paths correctly I have
got in everywhere from Norfolk VA to Rochester NY. There have been some gaps
of around 2 hours.
I have a conclusion of sorts and questions.
It seems there aren't any IGATES anyplace near me and I need a path with
many wide hops to have a chance. This seems both not super reliable and
wasteful of resources. OTOH, RELAY, WIDE2-2 isn't making it very often.
It seems that more power won't help. Even 150 watts isn't likely to get me
over 100 miles to an IGATE. I have thought of getting a 110 watt Delta for
my tracker, but maybe it wouldn't help any.
Questions:
Would RELAY, WIDE3-3 or RELAY, WIDE4-4 use less resources than I am using
now?
Are there any IGATES near Annapolis?
Can I make one? I have the equipment, but no broadband hear on the island.
Can you do it over a second phone line?
Is there any interest in a cooperative venture? If someone has the internet
connection I can donate some equipment and maybe others can too.
Thanks for all the help!
73

Joe
N3HGB-5

PRINTOUT FROM FINDU:

N3HGB-5>APRS,RELAY,W4OKW-1,WD4HDL-1*,TRACE3-2:$GPGLL,3859.2697,N,07617.0668,
W,105427.656,A*24
N3HGB-5>APRS,RELAY,W4OKW-1,WD4HDL-1,N4EVA-10,N4EVA-11,TRACE3:$GPGLL,3859.269
7,N,07617.0668,W,105427.656,A24
N3HGB-5>APRS,RELAY,W4OKW-1,WD4HDL-1*,TRACE3-2:$GPGLL,3859.2701,N,07617.0671,
W,120130.937,A*2E
N3HGB-5>APRS,AA3JY-4,PCSAT-11,KV3B-1*,TRACE3-2:$GPGLL,3859.2684,N,07617.0666
,W,121441.625,A*2A
N3HGB-5>APRS,AA3JY-4,PCSAT-11,KV3B-1,N4EVA-13,WA4HHG-3,TRACE3:$GPGLL,3859.26
84,N,07617.0666,W,121441.625,A2A
N3HGB-5>APRS,AA3JY-4,WD4HDL-1*,TRACE3-3:$GPGLL,3859.2689,N,07617.0659,W,1234
40.625,A*28
N3HGB-5>APRS,AA3JY-4,WD4HDL-1,N4EVA-13,KF4HJW-9,TRACE3-1:$GPGLL,3859.2689,N,
07617.0659,W,123440.625,A28
N3HGB-5>APRS,AA3JY-4,KV3B-1*,TRACE3-3:$GPGLL,3859.2702,N,07617.0669,W,130441
.781,A*25
N3HGB-5>APRS,AA3JY-4,WIDE*,TRACE3-3/1:$GPGLL,3859.2702,N,07617.0669,W,130441
.781,A*25
N3HGB-5>APRS,AA3JY-4,K3RAM-1,KV3B-1*,TRACE3-2:$GPGLL,3859.2700,N,07617.0653,
W,131441.687,A*28
N3HGB-5>APRS,AA3JY-4,WIDE,N6QAB-1,N4EVA-13,KF4HJW-9,TRACE3:$GPGLL,3859.2695,
N,07617.0669,W,135650.719,A2C
N3HGB-5>APRS,AA3JY-4,WIDE,N6QAB-1,N4EVA-13,K4EME-3*,TRACE3:$GPGLL,3859.2695,
N,07617.0669,W,135650.719,A*2C
N3HGB-5>APRS,AA3JY-4,WIDE,N6QAB-1,WA4HHG-3,TRACE3-1:$GPGLL,3859.2707,N,07617
.0663,W,140651.781,A2E
N3HGB-5>APRS,AA3JY-4,K3RAM-1,KV3B-1*,TRACE3-2:$GPGLL,3859.2718,N,07617.0642,
W,153650.656,A*2B
N3HGB-5>APRS,RELAY,PCSAT-11,KV3B-1*,TRACE3-2:$GPGLL,3859.2719,N,07617.0642,W
,155649.781,A*2F
N3HGB-5>APRS,AA3JY-4,PCSAT-11,KV3B-1*,TRACE3-2:$GPGLL,3859.2718,N,07617.0628
,W,192218.906,A*28
N3HGB-5>APRS,AA3JY-4,W3ADO-1,KV3B-1*,TRACE3-2:$GPGLL,3859.2717,N,07617.0632,
W,210218.062,A*2E
N3HGB-5>APRS,AA3JY-4,PCSAT-11,KV3B-1*,TRACE3-2:$GPGLL,3859.2712,N,07617.0627
,W,222216.500,A*21
N3HGB-5>APRS,AA3JY-4,WIDE,N6QAB-1,N4EVA-13,N4EVA-11,TRACE3:$GPGLL,3859.2712,
N,07617.0627,W,222216.500,A21
N3HGB-5>APRS,AA3JY-4,WIDE,N6QAB-1,N4EVA-13,N4EVA-11,TRACE3:$GPGLL,3859.2697,
N,07617.0647,W,234316.625,A29
N3HGB-5>APRS,RELAY,K3NAL-1,KV3B-1*,TRACE3-2:$GPGLL,3859.2691,N,07617.0652,W,
235316.656,A*2E
N3HGB-5>APRS,RELAY,K3NAL-1,N4EVA-13,KF4HJW-9,TRACE3-1:$GPGLL,3859.2691,N,076
17.0652,W,235316.656,A2E
N3HGB-5>APRS,AA3JY-4,KV3B-1*,TRACE3-3:$GPGLL,3859.2690,N,07617.0660,W,000315
.625,A*2D
N3HGB-5>APRS,AA3JY-4,KV3B-1*,TRACE3-3:$GPGLL,3859.2690,N,07617.0660,W,000315
.625,A*2D

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718. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Earl Needham <needhame@yucca.net>
Date: Thu, 27 Sep 2001 18:50:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38986-2001.09.27-20.16.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 AM 9/27/2001 -0500, Steve Bragg wrote:
>Time to move APRS off 2 meters, folks. It's hallowed ground, like HF.
>Let's go over to 900 MHz and 2.4 GHz and do what we do best (innovate);
>there are no "repeater coordinators" on those bands.

Those might be good frequencies, but I'm thinking 220. Er -- I
mean 222...

Or maybe even 6 meters?

Earl

```
**********************************************************
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>


---
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```

719. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 27 Sep 2001 17:52:27 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-38987-2001.09.27-20.17.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Sep 2001, Bob Bruninga wrote:

> On Thu, 27 Sep 2001, Curt Mills, WE7U wrote:
>
> > > The approximate 1 mile ambiguous position around 3859N and 07629W is
> > > transmitted in APRS as !3859. N/07629. W-My house
> >
> > So that varies between 38 59.00 and 38 59.59, and between 76 29.00
> > and 76 29.59. Draw all of the area in and you have a rectangle, not
> > a circle.
>
> No, if you want to get precise (which is juxtaposed to the whole concept
> of position ambiguity), it goes from 3858.5 to 3859.5 etc...and 7628.5 to
> 7629.5. But again, this is not the purpose of ambiguity circles. The
> purpose of ambiguity circles is to convey to the end user that the
> position is not precise. Any attempts at then drawing precise boundaries
> around this ambiguity is pointless... and in fact violates the whole
> concept in the first place...

I certainly understand what your original intent for these was, but
the spec says otherwise. Actually the spec says two conflicting
things with regard to this, which probably explains part of our
disagreement. Check out the bottom of page 24 and the top of 25
(34/35 in the PDF file). The initial comments seem to back up your
numbers. The examples back up mine. Isn't this fun?

Another place where the spec needs to be revised? If so, how do we
go about getting it done?

> > Why not? You're saying that the station is somewhere inside that
> > circle, which is absolutely incorrect. If you were to draw a rectangle
> > instead, then you could say with certainty that it was inside those
> > bounds somewhere. Much more useful information I would think.
>
> No. I am not saying he is in the circle. I am saying that the circle
> tells you that the position is inprecise to about the size of the circle.

Well, the spec says otherwise. Black and white. Page 25. Top of
page. Another spec revision?

Sorry Bob, but the other authors don't have the history that you have
and haven't thought all of this stuff through in the same manner as
you. All we have to work from is the spec. If the spec doesn't agree
with the real world, let's change it. Until then I have to code to
the spec unless I can be convinced that the spec is wrong.

You've certainly been able to convince me that the spec is wrong in
a few other places!

> In APRS, position ambiguity means exactly that by definition. Please do
> not try to make precise boundaries around an ambiguous position.

The spec did! Boy I'm sounding redundant today.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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720. [aprssig] Question about FindU.com

From: "Ken Livingston" <undrhil@hotmail.com>
Date: Thu, 27 Sep 2001 20:40:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-38995-2001.09.27-21.03.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, I have a question about findu.com ... when you connect up the an APRS
internet server using UI-View or WinAPRS. Whenever I send a beacon, FindU
updates immediately; however, when I am sending straight packets without
using the internet connection, FindU never updates. Is there a particular
Digipeater I have to hit to send straight packet into the FindU databases or
does FindU only update from using the APRS Internet servers?

Thanks in advance,
Ken
KK4KEN@hotmail.com

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721. [aprssig] Re: Abit board?

From: "Neil Johnson" <njohnsn@IowaTelecom.net>
Date: Thu, 27 Sep 2001 21:40:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39006-2001.09.27-22.05.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Abit KT7A-RAID. Highly Recommended.

-Neil

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722. [aprssig] Re: Question about FindU.com

From: Robbie Robertson <mwrobertson@home.com>
Date: Thu, 27 Sep 2001 21:50:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39008-2001.09.27-22.15.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ken,

You have to adjust your path to reach a known IGATE on RF. On the
internet you are going to be added to the data stream entering
Findu.com..

If you are using Winaprs on RF, try hitting the letter "i" to
display all the I-GATEs in your area.. Adjust your path
accordingly.

Good luck es 73

Robbie

Ken Livingston wrote:
>
> OK, I have a question about findu.com ... when you connect up the an APRS

> internet server using UI-View or WinAPRS. Whenever I send a beacon, FindU
> updates immediately; however, when I am sending straight packets without
> using the internet connection, FindU never updates. Is there a particular
> Digipeater I have to hit to send straight packet into the FindU databases or
> does FindU only update from using the APRS Internet servers?
>
> Thanks in advance,
> Ken
> KK4KEN@hotmail.com
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@home.com
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--

- Robbie Robertson -
...-.- wa9inf ...-.-

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723. [aprssig] Re: Audrey

From: "Chris Schwab" <1schwab1@tampabay.rr.com>
Date: Thu, 27 Sep 2001 23:08:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39011-2001.09.27-22.34.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

I broke down & purchased one of the Audreys. I was playing with it, and have
updated it with the new operating system (as well as installing the .mp3
player.. cool toy)

Anyway, to keep this in line with APRS, has anyone been playing with
installing either xaprs or aprsd on the Audrey? Is Audrey's serial port
capable of communicating with TNC, or am I just barking up a tree? If it is
capable or running a *nix flavor of APRS, which is the best version to try?
For the *nix newbie, is there a good web site that describes on how to
install APRS on Unix/Linux?

73!
Chris N4BSA

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724. [aprssig] Re: Audrey

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 27 Sep 2001 23:18:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39012-2001.09.27-22.43.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chris, from what i've read you have to look in the boot.sh file and remove
or comment out the palm hotsynch application. Appearantly, that app always
runs in the background and keeps the serial port "occupied". Disable that
and you are on your way to aprs enabled audrey.

Glad to see you got the MP3 player running! Maybe you could play mp3 files
of ax25 packets? ;)
Wes

----- Original Message -----
From: "Chris Schwab" <1schwab1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 27, 2001 23:08
Subject: [aprssig] Re: Audrey

> All:
>

> I broke down & purchased one of the Audreys. I was playing with it, and
have
> updated it with the new operating system (as well as installing the .mp3
> player.. cool toy)
>
> Anyway, to keep this in line with APRS, has anyone been playing with
> installing either xaprs or aprsd on the Audrey? Is Audrey's serial port
> capable of communicating with TNC, or am I just barking up a tree? If it
is
> capable or running a *nix flavor of APRS, which is the best version to
try?
> For the *nix newbie, is there a good web site that describes on how to
> install APRS on Unix/Linux?
>
> 73!
> Chris N4BSA
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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>
>

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725. [aprssig] Re: Run for America

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Sep 2001 23:28:51 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39014-2001.09.27-22.53.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Run For America:

APRS is installed and WEB page is working!
If you live or work anywhere along the Route 1 corredor from the Pentagon
to NYCity, we may need your help during the event to take care of
resetting operator errors on the Kenwood D700 in the van. Rough schedule:

Times are EDT starting Friday Morning 28 Sept.
0600 departs Pentagon
1200 passes through down town Baltimore
1900 crosses into PA
0400 Passes north of Phhiladelphia
0900 Passes through Trenton
1800 Arrives Manhattan

If you are VERY familiar with the D700 and can meet the entourage enroute
in your area, or respond to problems, please email me privately so I can
put you on an alert email distro.

If someone has nothing else to do all day or night, you are WELCOME to
RIDE in the van and or do whatever HAM radio assistance you may think of.
RIght now, there is NO HAM in the van although they are monitoring 146.43
simplex. There is no MIC in the van to avoid any improprieties.
Callsign is FLAG operating under the FCC call of W3ADO

On Thu, 27 Sep 2001, Bob Bruninga wrote:

> We will be tracking the running of the FLAG from the Pentagon to New York
> tomorrow (starting at 6 AM EDT taking probably 36 hours?) with APRS:
>
> http://www.ew.usna.edu/~bruninga/run4usa.html
>
> Or http://www.aprs.net
> or http://map.findu.com/FLAG
>
> This is a last minute affair, so no promises...
> We will also attempt to send a position report via ISS and UO22.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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726. [aprssig] Re: Street Atlas USA DELUXE

From: Skip Allison <sallison@megsinet.net>
Date: Thu, 27 Sep 2001 23:30:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39024-2001.09.27-23.59.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

William Nolle wrote:
>
> Is anyone running street atlas usa DELUXE yet.
> I would like to find out if some of the grave errors in my area have
> been fixed   ^^^^^^^^^^^^

Wow! Are you saying they might have cemeteries in the wrong place? ;)

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727. [aprssig] Re: Amateur Radio at WTC relief effort

From: Skip Allison <sallison@megsinet.net>
Date: Thu, 27 Sep 2001 23:32:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39027-2001.09.28-00.01.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike Yetsko wrote:
>
> It really doesn't matter.
>
> The issue that started this whole discussion is that someone in a
> position of authority 'perceived' that they would be better off if
> certain support positions AFTER the attack were not made
> public.

OK, so turn off the APRS at those locations. What's the big debate???

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728. [aprssig] Re: Amateur Radio at WTC relief effort

From: Jeff King <jeff@aerodata.net>
Date: Fri, 28 Sep 2001 01:01:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39036-2001.09.28-00.27.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Skip Allison wrote:

> OK, so turn off the APRS at those locations. What's the big debate???

Just what you just said was the big debate.

-Jeff

--
|---|
| Jeff King   248-471-1787 F 248-471-0279 e-mail: jeff@aerodata.net |
| |
| "They that give up essential liberty to obtain a little temporary safety|
deserve neither liberty nor safety." -- Benjamin Franklin, 1759

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729. [aprssig] Re: Amateur Radio at WTC relief effort

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 28 Sep 2001 00:03:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39037-2001.09.28-00.29.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:32 PM 9/27/01, Skip Allison wrote:

>OK, so turn off the APRS at those locations. What's the big debate???

Because that would be the obvious solution and people aren't happy unless
they have something to complain about.   There are a large number of people
who don't seem to understand that security and privacy are concepts
mutually exclusive from broadcast or transmitting.   You can't shout
secrets across a parking lot or print top secret materials on a highway
billboard.   Amatuer radio is not designed nor was it set up to facilitate
the transmission of secure or sensitive information.

Listen to a scanner sometimes. The police in the field are often told to
make contact via landline, because the situation at hand is secret or
sensitive and they don't want every yutz with a scanner hearing it...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

730. [aprssig] Re: Amateur Radio at WTC relief effort

From: Jeff King <jeff@aerodata.net>
Date: Fri, 28 Sep 2001 01:10:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39038-2001.09.28-00.36.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer wrote:
>
> At 11:32 PM 9/27/01, Skip Allison wrote:
>
> >OK, so turn off the APRS at those locations. What's the big debate???
>
> Because that would be the obvious solution and people aren't happy unless
> they have something to complain about.

I hate to tell you Mark, but both sides where complaining, including your
post. Then again, some would have called it debate on the design of the network.
I guess it depends on your outlook. I prefer the later rather then the former
but to each their own.

-Jeff

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731. [aprssig] Re: Audrey

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Fri, 28 Sep 2001 07:51:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39062-2001.09.28-07.14.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Would someone please post the details of the new operating system for the
Audrey? I too bought one as well as the USB/Ethernet cable.

I plan to mount mine on the wall in the kitchen and use it as a family
diary/message board running off a webpage on my linux box.

Mark, KC2ENI

----- Original Message -----
From: "Chris Schwab" <1schwab1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, September 27, 2001 11:08 PM
Subject: [aprssig] Re: Audrey

> All:
>
> I broke down & purchased one of the Audreys. I was playing with it, and
have
> updated it with the new operating system (as well as installing the .mp3
> player.. cool toy)
>
> Anyway, to keep this in line with APRS, has anyone been playing with
> installing either xaprs or aprsd on the Audrey? Is Audrey's serial port
> capable of communicating with TNC, or am I just barking up a tree? If it
is
> capable or running a *nix flavor of APRS, which is the best version to
try?
> For the *nix newbie, is there a good web site that describes on how to
> install APRS on Unix/Linux?
>
> 73!
> Chris N4BSA
>
>
> ---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

732. [aprssig] Re: Street Atlas USA DELUXE

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 28 Sep 2001 06:55:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39064-2001.09.28-07.21.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I take it you are asking this question in reference to APRS+SA. I
haven't seen Brent post anything regarding Deluxe. However, looking at
the software description I received, Delorme has also released SA 9.0.
It looks like 9.0 is simply an update/upgrade of SA 8.0 and should work
fine. Delorme says there are 200,000 map updates, but whether your area
is correct, who knows.

The Deluxe version appears to be based on the Topo 3.0 engine which may
or may not be compatible with APRS+SA. The key here will be whether
Deluxe will support standard .SAx files. You might want to ask this
question on the APRS+SA list (reachable via
http://www.tapr.org/~kh2z/aprsplus).

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

-----Original Message-----

William Nolle wrote:

>
> Is anyone running street atlas usa DELUXE yet.
> I would like to find out if some of the grave errors in my area have
> been fixed

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733. [aprssig] Fw: Re: Abit board?

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Fri, 28 Sep 2001 06:33:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39066-2001.09.28-08.05.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: Christopher E Phelps <pce1@uswest.net>
To: Neil Johnson <njohnsn@IowaTelecom.net>
Sent: Thursday, September 27, 2001 10:41 PM
Subject: Re: [aprssig] Re: Abit board?

> I haven't had much luck with my Abit KT7A-RAID and AMD Athlon processors,
> bought first in January and had trouble with it working right from the
> start. Had terrible overheat problems, go right to shutdown with the
> recommended cooler, went through two boards,one power supply and two
> processors (second processor was replaced when I finally took it into a
> shop to find out why it ran so hot 145 F). They replaced that processor
and
> said cooler supplied was not sufficient (new one looked same but with
> different brand emblem on it) still always ran about 130 F. Friend had
> bought same everything and it ran about 98 F most of time. Found running
> SETI was causing the overheat and stopped running it a few months ago.
Just
> recently had it fail again, acting like when processor last failed,
replaced
> it, no go. tried new motherboard (KT7A-RAID), Had found both video and
audio
> cards bad when tested in another machine, at this point , can't get any
> Windows version to properly load into the machine. Tried and tested
> different hard drives and CD-ROMs(checking them in this machine) and only
> have a new video card installed. Make sure you have a recommended power
> supply in your machine or if you have a problem they will give you a hard
> time about replacing it, even though the original PS I had, was
purchased
> from the same dealer .
>
> Chris
> N2YQP
> ----- Original Message -----
> From: Neil Johnson <njohnsn@IowaTelecom.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Thursday, September 27, 2001 8:40 PM
> Subject: [aprssig] Re: Abit board?
>
>
> > I have a Abit KT7A-RAID. Highly Recommended.
> >
> > -Neil
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: pce1@uswest.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
> >
>

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734. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Michael Martens <kb9vbr@yahoo.com>
Date: Fri, 28 Sep 2001 06:03:58 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39070-2001.09.28-08.28.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The 222MHz band is a ripe for APRS. Radios are
reasonably priced and available. The band is
relatively quiet and no more QRM with 2meter
equipment.

Lets get the ball rolling with the establishment of a
222 MHz APRS frequency (if one doesn't already exist).

Michael
KB9VBR

--- Earl Needham <needhame@yucca.net> wrote:
> At 09:33 AM 9/27/2001 -0500, Steve Bragg wrote:
> >Time to move APRS off 2 meters, folks. It's
> hallowed ground, like HF.
> >Let's go over to 900 MHz and 2.4 GHz and do what we
> do best (innovate);
> >there are no "repeater coordinators" on those
> bands.
>
>   Those might be good frequencies, but I'm
> thinking 220. Er -- I
> mean 222...
>
>   Or maybe even 6 meters?
>
>   Earl
>
>
>
****
> Earl Needham, KD5XB mailto:needhame@yyucca.net
> Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m
> (or so)
> NEW Pet peeve: People who get themselves on a
> mailing list and then can't
> figure out how to get OFF the list.
>
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
>
> a.net -EARL_CLOVIS -251-<530>
>
>
> ---
> You are currently subscribed to aprssig as:
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> administrator: wa1lou@tapr.org
>

_____
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http://phone.yahoo.com

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735. [aprssig] Re: Audrey

From: "Chris Schwab" <1schwab1@tampabay.rr.com>
Date: Fri, 28 Sep 2001 10:25:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39085-2001.09.28-09.51.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To be honest, I'm not sure what the differences are, except for when you do
the final update, it will give you a shell to be able to work on the
operating system. From there you should be able to do whatever you would
like with it.

This morning's update: I have been able to get it to telnet into my home
APRS box and have been watching the local RF feed in the Tampa area. Now,
I'm trying to teach myself enough Linux so that successfully install one of
the *nix flavors of APRS.

I'll keep everyone updated with what I find..

73!
Chris N4BSA
----- Original Message -----
From: "Mark Phillips" <g7ltt@g7ltt.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, September 28, 2001 7:51 AM
Subject: [aprssig] Re: Audrey

> Would someone please post the details of the new operating system for the
> Audrey? I too bought one as well as the USB/Ethernet cable.
>
> I plan to mount mine on the wall in the kitchen and use it as a family
> diary/message board running off a webpage on my linux box.
>
> Mark, KC2ENI
>

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736. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Michael Martens <kb9vbr@yahoo.com>
Date: Fri, 28 Sep 2001 07:38:40 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39086-2001.09.28-10.03.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

--- Ken Cechura <kcechura@umr.edu> wrote:
> what kind of radios are available and reasonably
> priced for 220?
>

Affordable new 220 radios.

ADI AR-247 $209.95

Alinco DR-235T $249.99
The EJ-41U internal TNC board is available for the
Alinco for $139.99.

ADI also makes a new 220 HT for $199.99

Don't forget the Kenwood Tri-band TH-F6A, while at
$389, it has built in ports for an external tnc.

Prices from AES web site.

Michael
KB9VBR

_____
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http://phone.yahoo.com

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737. [aprssig] Fw: Re: Abit board?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 28 Sep 2001 10:03:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39087-2001.09.28-10.29.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:33 AM 9/28/01, Christopher E Phelps wrote:

> > I haven't had much luck with my Abit KT7A-RAID and AMD Athlon processors,
> > bought first in January and had trouble with it working right from the
> > start. Had terrible overheat problems, go right to shutdown with the
> > recommended cooler, went through two boards,one power supply and two
> > processors (second processor was replaced when I finally took it into a
> > shop to find out why it ran so hot 145 F). They replaced that processor
>and...

One bad experience does not indicate any particular problem with a motherboard or processor. I will say that many screwdriver shops do not know much when it comes to building and setting up computers in general and Athlon/Duron processors in particular. Using a generic $13 fan/heatsink that most of these stores stock will often cause problems. You must use a fan specifically designed for the processor and I've seen a number of cracked CPU cores cause by generic cooling solutions. Throw away the 1 inch square piece of thermal tape most manufactures supply with their fans. Think about it... Use real heatsink compound.

Case design is very important for proper cooling and providing power. I've seen many companies try to shoehorn high performance CPU systems into slimline or micro towers. One, they do not provide proper airflow around the heatsink. And two, they often come with power supplies rated in the 70 to 150 watt range. I actually had a client add a CD burner to a micro-tower system with a 90 watt power supply and it would cause the system to shut off whenever he tried to burn a CD. Even a large case can have poor airflow, especially if you let cables and other case internals interfere with the area near the heatsink/CPU. Even companies like Gateway, who for a long time had PASSIVE cooling, even on PII systems, have gone to active cooling modules, chimneys, and extra case fans to keep their PIII/P4 and Athlon systems cool. Extra case fans are GOOD. Look at some OEM Athlon systems and you will see they put the extra case fan on the SIDE of the computer with a chimney/duct directly ported to the processor/heatsink.

You also may have gotten a hold of a bad batch of CPU's. Been there, done that. I've seen a K6-2 400 glow cherry red before. It's pretty impressive.

I've also read that other people have had overheat problems running SETI@home. I recommend running YETI@Home as it is guaranteed to make your processor run 15 degrees cooler. (sorry couldn't resist)

http://www.phobe.com/yeti/project.html

If you are using Win95 or Win98, run RAIN or Waterfall. Software CPU coolers work. NT, Millennium, and Win2K already have it built-in. This applies to laptops and desktops.

73,

Mark
KC7BXS

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738. [aprssig] Re: Audrey

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 28 Sep 2001 15:39:03 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39091-2001.09.28-11.03.58--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

"Mark Phillips" <g7ltt@g7ltt.com> wrote:

>Would someone please post the details of the new operating system for the
>Audrey?

It is running QNX, which is a embedded form of Unix. Not related to
Linux. More info at (as well as software):

http://qdn.qnx.com/download/index.html
http://www.audreyhacking.com/

>I plan to mount mine on the wall in the kitchen and use it as a family
>diary/message board running off a webpage on my linux box.

Which it should be able to right out of the box.

73

Jeff wb8wka

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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739. [aprssig] TNOSaprs/JNOSaprs 1.08.03 available (bug fixes)

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Fri, 28 Sep 2001 10:59:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39094-2001.09.28-11.26.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

TNOSaprs and JNOSaprs are now both available, release 1.08.03.

Upgrade kits, documentation, etc, can be found at this website :

   http://www.qsl.net/ve4klm/packet/aprss.html

This is strictly a maintenance release (bug fixes). PLEASE read
the release history notes before you do any compiling.

73 Maiko Langelaar / VE4KLM

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740. [aprssig] Audrey

From: "Sawadee" <sawadee@javanet.com>
Date: Fri, 28 Sep 2001 12:45:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39098-2001.09.28-12.03.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have purchased a few Audrey's for home automation use but would love to
use one for APRS work.
For those who do not know about the Audrey it is a nice little system
running QNX (Small linux type OS). It has a wireless keyboard (Now has a on
screen keyboard thanks a hacker programmer), touch screen, 2 USB ports, one
serial, and Network connection (with adapter). It did sell for about $500
but now sells for $89 while they last.. The Audrey could be an interesting
system for someone who wants to play with it a bit.
More info at:

http://www.linux-hacker.net/cgi-bin/UltraBoard/UltraBoard.pl?Action=ShowBoar
d&Board=3Com_Audrey&Idle=&Sort=&Order=&Session

http://www.canoma.com/audrey/

http://www.keithandgina.com/audrey/

http://www.audreyhacking.com/

http://www.sowbug.com/audrey/

Dave
W1SEM

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741. [aprssig] 220

From: Joe Della Barba <joe@dellabarba.com>
Date: Fri, 28 Sep 2001 12:58:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39104-2001.09.28-12.29.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the point of moving to 220?
If 144.39 is getting overcrowded, then so would any new single frequency.
What I would like to see is an APRS II that employs much smarter
routing for routing the signals that would support multiple frequencies
as well. Surplus land mobile radios running 100 watts on 6 meters
might be perfect for rural areas and 220 better for a big city. Considering
the number of people on 2 meters I would hate to see them (and me!)
have to buy new radios.
73
Joe N3HGB-5

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742. [aprssig] Re: Fw: Re: Abit board?

From: Earl Needham <needhame@yucca.net>
Date: Fri, 28 Sep 2001 15:11:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39132-2001.09.28-16.36.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:33 AM 9/28/2001 -0600, Christopher E Phelps wrote:
><snip>
> > different brand emblem on it) still always ran about 130 F. Friend had
> > bought same everything and it ran about 98 F most of time. Found running
> > SETI was causing the overheat and stopped running it a few months ago.
>Just
> > recently had it fail again, acting like when processor last failed,
>replaced
> > it, no go.

Seems to me that if SETI@home caused the processor to overheat,
then it wouldn't overheat any more if SETI@home was no longer being
run. What do they call this? A red herring, right?

Truth is, SETI@home will run your processor at 100%
utilization. So will Quake, STK, and many other programs. I feel the
problem wasn't SETI@home but possibly an inadequate HSF.

I currently run a 1 GHz Athlon, overclocked to 1.3 GHz, and my
processor usually runs around 47C -- around 118 F. Of course, the
temperature in my back room is around 80 F today, during the summer it was
almost 90.

You have enough airflow in that case???

7 3
Earl
1120 SETI work units processed...

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

743. [aprssig] Run for America GPS tracking event

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 28 Sep 2001 20:06:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39156-2001.09.28-19.32.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Run For America:

The GPS tracking WEB page is working. The Run for America FLAG departed
the Pentagon at 0600 Friday morning and is now passing into Deleware
at about 2030 Friday night EDT. It will pass north of Philly about 4 AM
and Trenton NJ about 0800, N.Brunswick about 1300 and arrrive Manhattan
about 1800 Saturday.

See http://www.ew.usna.edu/~bruninga/run4usa.html
Or   http://map.findu.com/FLAG once it gets out of RF range of Annapolis
Or tune 144.39 and look for packets from FLAG if you are within 100 miles

This GPS tracking event shows the tracking and reporting capability of
satellites to amateur radio events. We will try to uplink position data
via ISS and UO22 for anyone tracking the run.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

744. [aprssig] Re: Fw: Re: Abit board?

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Fri, 28 Sep 2001 19:25:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39169-2001.09.28-20.57.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had a full size tower with four fans one front bottom ,two top back, and
one turbo slot fan. had a good layer of high quality heatsink compound
between processor and cooling fan. Bought a little bit smaller tower that
had front bottom fan, exhaust fan behind processor location, top fan and a
side fan just to the front of proceesor. dropped processor temp about 5 to 6
degrees on average. But when I stopped running seti, it dropped about
another 18 degrees. Ran much cooler after I stopped running seti. Of course
I am running APRS-Plus at all times, it doesnot seem to effect the temp at
all.
----- Original Message -----
From: Earl Needham <needhame@yucca.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, September 28, 2001 3:11 PM
Subject: [aprssig] Re: Fw: Re: Abit board?

> At 06:33 AM 9/28/2001 -0600, Christopher E Phelps wrote:
> ><snip>
> > > different brand emblem on it) still always ran about 130 F. Friend had

> > > bought same everything and it ran about 98 F most of time. Found
running
> > > SETI was causing the overheat and stopped running it a few months ago.
> >Just
> > > recently had it fail again, acting like when processor last failed,
> >replaced
> > > it, no go.
>
>   Seems to me that if SETI@home caused the processor to overheat,
> then it wouldn't overheat any more if SETI@home was no longer being
> run. What do they call this? A red herring, right?
>
>   Truth is, SETI@home will run your processor at 100%
> utilization. So will Quake, STK, and many other programs. I feel the
> problem wasn't SETI@home but possibly an inadequate HSF.
>
>   I currently run a 1 GHz Athlon, overclocked to 1.3 GHz, and my
> processor usually runs around 47C -- around 118 F. Of course, the
> temperature in my back room is around 80 F today, during the summer it was
> almost 90.
>
>   You have enough airflow in that case???
>
>   7 3
>   Earl
>   1120 SETI work units processed...
>
>
>
>
> **
> Earl Needham, KD5XB mailto:needhame@yyucca.net
> Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
> NEW Pet peeve: People who get themselves on a mailing list and then can't
> figure out how to get OFF the list.
>
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
> a.net -EARL_CLOVIS -251-<530>
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

745. [aprssig] Re: Fw: Re: Abit board?

From: Earl Needham <needhame@yucca.net>
Date: Fri, 28 Sep 2001 19:47:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39170-2001.09.28-21.13.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:25 PM 9/28/2001 -0600, Christopher E Phelps wrote:
>I had a full size tower with four fans one front bottom ,two top back, and
>one turbo slot fan. had a good layer of high quality heatsink compound
>between processor and cooling fan. Bought a little bit smaller tower that
>had front bottom fan, exhaust fan behind processor location, top fan and a
>side fan just to the front of proceesor. dropped processor temp about 5 to 6
>degrees on average. But when I stopped running seti, it dropped about
>another 18 degrees. Ran much cooler after I stopped running seti. Of course
>I am running APRS-Plus at all times, it doesnot seem to effect the temp at
>all.

         There are several possibilities that I can think of immediately.

         Of course, when I terminate SETI, my CPU drops temperature,
too. However, we seem to be at different "levels".

         First possibility I can think of is that perhaps the HSF isn't
making proper contact to the CPU die. Does it appear to be sitting level?

Second, don't put too much heatsink compound on the heatsink. Although I've never proven it, I've been told that using too much is worse than none. Also, check the bottom of your heatsink to ensure that it has no foreign material on it. Some manufacturers give you a small square piece of thermal TAPE, and it doesn't always work very well.
Third -- what HSF are you using? There are some pretty poor ones out there. Mine is an Alpha 6035, but there are other good ones that work as well or better. The Orbs are know for being marginal, BTW.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucca.net -EARL_CLOVIS -251-<530>

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746. [aprssig] Re: Abit board?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 28 Sep 2001 21:25:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39173-2001.09.28-21.51.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:25 PM 9/28/01, Christopher E Phelps wrote:

> Bought a little bit smaller tower that
>had front bottom fan, exhaust fan behind processor location, top fan and a
>side fan just to the front of proceesor. dropped processor temp about 5 to 6
>degrees on average. But when I stopped running seti, it dropped about
>another 18 degrees.

Just another thought. It almost sounds like you're overclocking. Make sure the FSB speed and CPU volatges are correct for your processor. You can also dial back the mobo settings and underclock. That'll cool things down.

73,

Mark
KC7BXS

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747. [aprssig] Re: Amateur Radio at WTC relief effort

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 29 Sep 2001 14:28:34 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39186-2001.09.28-23.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Sep 27, 2001 at 05:58:38PM -0400, Bob Bruninga wrote:
> Mixing apples and oranges. NOGATE and RFONLY area in the via path as you
> suggest. But the only thing that Steve said he would honor in FINDU was
> the "x-no-archive". That can only go in the comment field, and that is
> what I think is too verbose to use for APRS applications.

findu doesn't need to handle NOGATE/RFONLY -- a packet using those options should not get to findu at all. An x-no-archive packet should be sent to the Internet for real-time users to see, but should not be stored on findu or other databases.

Theoretically, somebody could be archiving directly from RF; they should ignore x-no-archive, but not NOGATE/RFONLY.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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748. [aprssig] ALogger

From: "Mark A. Foley" <na4v@home.com>
Date: Sat, 29 Sep 2001 05:31:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39213-2001.09.29-04.56.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Diaz, KC9XG (billdiaz@megsinet.net) has released a new APRS program.
ALogger is designed to permit users to easily log selected APRS packets to
disk. It incorporates the logging features (LogList) found in AFilter but
has a simplified user Interface.

Some details:
1. Packets are not checked for AX25 or APRS compliance other than to
require that ">' and ":' are present in the packet.

2. ALogger is read only. It does not originate any packets or logons.

3. UTC time stamps can be displayed and written to log files.

4. ALogger permits the user to connect to a single APRS server. When data
stops, or the connection is lost, ALogger can re-establish the connection or
rotate to a new server.

ALogger can be used to log satellite telemetry etc. Should be very useful
for PCsat and StarShine 3 logging.

You can download this freeware program at:
http://www.digitaldune.net/~ahubwest/

or http://www.na4v.com

Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.na4v.com

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749. [aprssig] Re: Amateur Radio at WTC relief effort

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: 29 Sep 2001 12:51:56 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39223-2001.09.29-06.20.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote on 27.9.01 23:58:
>>Mixing apples and oranges. NOGATE and RFONLY area in the via path as you suggest. But the only thing
 that Steve said he would honor in FINDU was the "x-no-archive". <<

When it reaches FUNDU its already too late. x-no-archive only prevents storage. RFONLY or NOGATE should
not have entered the IP system in the first place...

Kind regard,

Henk

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750. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sat, 29 Sep 2001 12:54:42 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39224-2001.09.29-06.21.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Regarding position ambiguity I think there are two different things mixed
up, causing confusion. I see two major cases:

1) Real inacutate source
2) Making an acurate source look inacurate

There is a big difference between the two, let me explain by means of a volt
meter.

Say you have a voltmeter with an acuracy of 0.1 volt. When you measure a 2.9
volt source the readout will alternate beween 2.8 and 2.9 volt. It's
incapable of providing more detail and giving more digits would be
pointless. Nou we try "voltage ambiguity" on this by leaving out the
decimal. In that case our meter will give a solid 2 volts readout. But when
we increase the voltage to 3 volts then we see the readout starts flipping
between 2 and 3 volt. Since the meter has in fact an accuracy of 0.1 volt we
know the voltage must be either 2.9 or 3.0 volts, dispite the attempt to
hide it. You can not make this acurate measurement look inacurate by hiding
digits.

If we now compare a real 1 volt acurate voltmeter then we see the
difference. Then the readout for 2.9 volts will be a instable value beteen 2
and 3 volt. If the voltage is raised then we see slowly less times the value
2 and at some point also 4 volt readouts. In effect there is no hard border,
only a soft one. To determine a value and range you would have to avarage
the readout and have te accuracy as span arround this value. The real
voltage would be something in that range.

When you have a real ambigious position then the last digits of the position
report should be "restless" and vary all the time. The guessed center would
be te averige of this and by looking at the digits you know the accuracy.

This does however not work at all if the source is an accurate GPS. Crossing
a 'border' would reveil an rather acurate lattitude or longitude position.
Someone can know the source is more accurate since the shown position digits
would be rock sold. Averaging would not work. The only way to do this is
besides hiding digits also add a random unpredictable distubance to the
position, more or less centered arround the real position like was done with
SA on the GPS system before it was turned off.

The point: position ambiguity works when your position is realy ambigious.
It does not work correctly when your source is more acurate. In the latter
case more information is reveild when crossing a border. In that case you
know the station is inside the rectangle indicated by its position (plus
or minus the real accuracy of the source). Averaging its position and
drawing a circle then also does not work, the guessed centre will always be
the center of the box, even when the station is near the edge of the square.
Also an ambiguity circle will in that case not 'move' with the station but
instead 'jump'. With real inacurate sources this will not be the case. Think
about it.

Kind regards,

Henk.

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751. [aprssig] 220 MHZ question

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 08:08:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39248-2001.09.29-07.35.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Given equal power and 1200 baud FM operating from a mobile, what would be
the range difference between 54 MHz, 144 MHz, 220 MHz, and 450 MHz?
Also, does anyone have any idea what the range of PSK-31 on a 100 watt 6
meter radio would likely be?
Joe

73 DE N3HGB
N3HGB-5

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752. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: Randy Allen KAØAZS <ka0azs@commkey.net>
Date: Sat, 29 Sep 2001 09:24:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@tapr.org
Message-ID: <LYR842-39249-2001.09.29-08.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray,

Sorry, I don't see the need for another round of "committee bloat".

Wouldn't it be simpler to just educate users using tactical callsigns to include the FCC callsign in the comments section of the position packet? Or, for any clients that might not support that, ensure a status packet containing the FCC issued callsign is transmitted with every position packet?

I don't see any need for a national registry of tactical call signs. I certainly don't see the need for the national beauracracy needed to handle this. If you want to find out the FCC assigned callsign, check the status or comments.

A VOLUNTARY site where folks CAN post tactical callsigns for special events might be nice for folks outside the area who want to follow what's going on with a special event. But I don't see the need for national coordination. If my mobile is supporting a tri-athlon with the tactical call of SAG1 in Ohio, how does that impact someone using SAG1 supporting a walkathon in (for example) Texas?

If someone sees a non-FCC tactical call on a display and goes ballistic, educate them as to how to view the FCC assigned call information. Ignorance about APRS on their part, does NOT constitute a Part 97 violation on my part.

Working through a system such as you suggest is only going to result in public service events coordinators deciding that using APRS is not worth the trouble.

I think the simpler the better.

73

RMckni8527@aol.com wrote:

> Good news, and kudos for the potential benefits to APRS, Gerry!
>
> I might suggest the following:
> 1) A Regional authority based on similar design to repeater coordination
> committees be established to handle coordination of Tactical Callsign use.
> 2) Any event wishing to use a tactical Callsign should apply to said
> committee (with an appropriate lead time - 30 days??).
> 3) Tactical calls which are currently in use or scheduled to be used in the
> near future are appropriately published so all interested Amateurs and FCC
> types and others can identify the stations in use. Likely accomplished by a
> web page. A National page would be fine, broken down by region, with a
> search engine to facilitate identifying particular stations and licensees.
> 4) The current regulations do NOT prohibit use of Tactical calls, and as
> such, if Amateurs wish to use them without the "burden" of the new rules, may
> still do so as long as they appropriately identify their stations. However,
> they should still be encouraged to use calls which do not conflict with
> approved/coordinated regional tactical calls, and should submit their
> intentions, if possible, to their regional web site.
>
> Is this a good start?
>
> Ray - WB3ABN
> Kingston, WA

--
Randy Allen, KAØAZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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753. [aprssig] PCSat Update

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 29 Sep 2001 23:56:24 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39260-2001.09.29-09.21.19--lyris.aprssig#tapr.org@lists.tapr.org>
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Anyone know the latest ?

Andrew VK4TEC

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754. [aprssig] Re: Trackers, Digipeating, Control Ops, et al

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sat, 29 Sep 2001 11:14:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39270-2001.09.29-10.38.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Packet BBS users for years have used aliases as their identifyers and not
the station licensees' call sign. The call sign usually shows up in a timed
beacon at 10 minutes showing the licensed call sign. Why worry about not
using it now with regard to APRS? APRS users setting up weather stations
all over (In Michigan) are using airport identifyers as their tactical sign
and later at 10 minute beacons the licensed call sign is transmitted. As
long as the licensed call sign is transmitted at regular intervals(per FCC
regs), what is wrong with it?

Thanks,
Chris
KB8UIH

----- Original Message -----
From: "Randy Allen KAØAZS" <ka0azs@commkey.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<aprssig@tapr.org>
Sent: Saturday, September 29, 2001 9:24 AM
Subject: [aprssig] Re: Trackers, Digipeating, Control Ops, et al

> Ray,
>
>   Sorry, I don't see the need for another round of "committee bloat".
>
> Wouldn't it be simpler to just educate users using tactical callsigns
> to include the FCC callsign in the comments section of the position
> packet? Or, for any clients that might not support that, ensure a status
> packet containing the FCC issued callsign is transmitted with every
> position packet?
>
> I don't see any need for a national registry of tactical call signs. I
> certainly don't see the need for the national beauracracy needed to
> handle this. If you want to find out the FCC assigned callsign, check
> the status or comments.
>
> A VOLUNTARY site where folks CAN post tactical callsigns for special
> events might be nice for folks outside the area who want to follow
> what's going on with a special event. But I don't see the need for
> national coordination. If my mobile is supporting a tri-athlon with the
> tactical call of SAG1 in Ohio, how does that impact someone using SAG1
> supporting a walkathon in (for example) Texas?

>
> If someone sees a non-FCC tactical call on a display and goes
> ballistic, educate them as to how to view the FCC assigned call
> information. Ignorance about APRS on their part, does NOT constitute a
> Part 97 violation on my part.
>
> Working through a system such as you suggest is only going to result in
> public service events coordinators deciding that using APRS is not worth
> the trouble.
>
> I think the simpler the better.
>
> 73
< C U T >

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755. [aprssig] Re: 220 MHZ question

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 12:19:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39276-2001.09.29-11.46.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Given equal power and 1200 baud FM operating from a mobile,
> what would be the range difference between 54 MHz, 144 MHz,
> 220 MHz, and 450 MHz?

Hi Joe,
I feel somewhat qualified to answer your question, because I've actually
begun running these tests. Of course, that means that more is yet to
test, but preliminary tests have been run using equivalent 6-meter and
2-meter systems. Each is within 3-dB of performance when comparing RF
power and antenna apeture. The x-factor is the equipment itself (I have
no idea if they have equal receivers and no way to assure FM deviation
is set correctly...they are factory-stock).

Interestingly, 2-meters seems to perform better ... it gives more
range....in the tests run so far. There are distinct advantages to
using 6-meters in my application, so I have motivation to drill into
this more to find out why this is the case rather than simply accepting
the first data as "universal fact".

I don't have a 222-MHz mobile, or I'd try that next...but I'm going to
have to find one. :o))

Ev, W2EV

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756. [aprssig] Re: 220 MHZ question

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 12:34:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS" <aprssig@tapr.org>
Message-ID: <LYR842-39281-2001.09.29-12.01.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are you using 1/4 wave antennas for both? It seems 5/8 wave is pretty common
on 2 meters but would be too big on 6.
Joe
----- Original Message -----
From: "Ev Tupis" <w2ev@rochester.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 29, 2001 12:19 PM
Subject: [aprssig] Re: 220 MHZ question

> Given equal power and 1200 baud FM operating from a mobile,
> what would be the range difference between 54 MHz, 144 MHz,
> 220 MHz, and 450 MHz?

Hi Joe,
I feel somewhat qualified to answer your question, because I've actually
begun running these tests. Of course, that means that more is yet to
test, but preliminary tests have been run using equivalent 6-meter and
2-meter systems. Each is within 3-dB of performance when comparing RF
power and antenna apeture. The x-factor is the equipment itself (I have
no idea if they have equal receivers and no way to assure FM deviation
is set correctly...they are factory-stock).

Interestingly, 2-meters seems to perform better ... it gives more
range....in the tests run so far. There are distinct advantages to
using 6-meters in my application, so I have motivation to drill into
this more to find out why this is the case rather than simply accepting
the first data as "universal fact".

I don't have a 222-MHz mobile, or I'd try that next...but I'm going to
have to find one. :o))

Ev, W2EV

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757. [aprssig] three stations at my QTH

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 12:36:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39283-2001.09.29-12.04.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5

This shows both W3ADO and KB3ERW-2 to be on my boat.
73
Joe N3HGB-5

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758. [aprssig] Re: 220 MHZ question

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 13:01:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39285-2001.09.29-12.28.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Joe,
More detailed information:

	6-meter Rover	6-meter Fixed	2-meter Rover	2-meter Fixed
Antenna	1/4 wave mag mount	1/2 wave vertical dipole @ 25ft	5/8 wave fender mount	1/2 wave vertical dipole @ 25 ft
RF Output	20-watts	n/a	5-watts	n/a

All tests done simplex (on 53.53 MHz and 147.585 MHz) and no TX from the
Fixed station. Using a field-strength meter, both rovers showed
far-field strengths within 1.8 dB of each other (the sleight advantage
actually went to the 6-meter station).

The big variable right now is that the 6-meter rover took a different
course than the 2-meter rover did. I will be repeating the test in two
weeks, but with having both rovers run the same course.

The original test took place during the ARRL's September VHF and

September Microwave Cumulative contests.

Ev, W2EV

Joe Della Barba wrote:
>
> Are you using 1/4 wave antennas for both? It seems 5/8 wave is pretty common
> on 2 meters but would be too big on 6.
> Joe
> ----- Original Message -----
> From: "Ev Tupis" <w2ev@rochester.rr.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, September 29, 2001 12:19 PM
> Subject: [aprssig] Re: 220 MHZ question
>
> > Given equal power and 1200 baud FM operating from a mobile,
> > what would be the range difference between 54 MHz, 144 MHz,
> > 220 MHz, and 450 MHz?
>
> Hi Joe,
> I feel somewhat qualified to answer your question, because I've actually
> begun running these tests. Of course, that means that more is yet to
> test, but preliminary tests have been run using equivalent 6-meter and
> 2-meter systems. Each is within 3-dB of performance when comparing RF
> power and antenna apeture. The x-factor is the equipment itself (I have
> no idea if they have equal receivers and no way to assure FM deviation
> is set correctly...they are factory-stock).
>
> Interestingly, 2-meters seems to perform better ... it gives more
> range....in the tests run so far. There are distinct advantages to
> using 6-meters in my application, so I have motivation to drill into
> this more to find out why this is the case rather than simply accepting
> the first data as "universal fact".
>
> I don't have a 222-MHz mobile, or I'd try that next...but I'm going to
> have to find one. :o))
>
> Ev, W2EV
>
> ---
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>
> ---
> You are currently subscribed to aprssig as: w2ev@rochester.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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759. [aprssig] Re: 220

From: Phil Reed <preed@dnaco.net>
Date: Sat, 29 Sep 2001 13:12:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39288-2001.09.29-12.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

If we're going to actively consider moving off 2 meters, I suggest higher
frequencies for a couple of reasons:

(1) Our higher frequency bands will be more in demand by commercial
interests, therefore the more activity we can get into the higher bands,
the better.

(2) Antennas are smaller, therefore less obnoxious looking. 1/4 wave mag
mounts on 2m aren't bad, but smaller will be better.
- ---

...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."

-----BEGIN PGP SIGNATURE-----
Version: PGPfreeware 7.0.3 for non-commercial use <http://www.pgp.com>

iQA/AwUBO7YA/Yl0VBXuaP/UEQKJ6ACePcXMOrgIP3uXPSrw2Tsjwcw9vq8AoIUg
XFP9V4sZAWOxHoXE887et82v
=7dIK
-----END PGP SIGNATURE-----

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760. [aprssig] Re: Abit board?

From: "Neil Johnson" <njohnsn@IowaTelecom.net>
Date: Sat, 29 Sep 2001 12:23:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39289-2001.09.29-12.48.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a large tower case.

When I first set it up, I only had the Power Supply Fan and the HSF
installed. Worked okay untill I ran MDK 2. Then the mother board
shutdown because of the CPU Temp (Thank Goodness!). I have since added 3
more fans (1 on the bottom front blowing in over the cards, 1 in the back
pulling air over the HSF and out the case, and 1 in the back on the top
blowing out to cool the hard drive, dvd, cd-rw, and floppy :) drives).

Haven't had any issues since (well It won't shutdown automagically when I
exit Windows (ME), but that's Windoze fault. Linux works fine).
I also thought My Athlon and mother board were capable of 133 FSB but the
system hangs. I don't really care beacause it still blows the doors off my
old system (a Pentinum 133).

There is a BIOS upgrade for the board you should investigate, They were some
known issues with original BIOS.

-Neil

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761. [aprssig] RE: three stations at my QTH

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sat, 29 Sep 2001 12:45:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39293-2001.09.29-13.12.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe,
  Hope you are enjoying the eyeball communications.

Or are you saying the positions are bogus?

Bill KC9XG

On Saturday, September 29, 2001 11:37 AM, Joe Della Barba [SMTP:joe@dellabarba.com] wrote:
> http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5
>
> This shows both W3ADO and KB3ERW-2 to be on my boat.
> 73
> Joe N3HGB-5
>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
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>

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762. [aprssig] (Part 1) APRS and I-SD

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 13:54:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39298-2001.09.29-13.21.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This post inspired me to write below...

Hamish Moffatt wrote:
> findu doesn't need to handle NOGATE/RFONLY -- a packet using those
> options should not get to findu at all. An x-no-archive packet should
> be sent to the Internet for real-time users to see, but should not
> be stored on findu or other databases.
>
> Theoretically, somebody could be archiving directly from RF;
> they should ignore x-no-archive, but not NOGATE/RFONLY.

Opt-out mechanisms already exist at at two levels. One in Bob's APRS
service and one in Steve's "Internet Stream of Data" service (which I'll
refer to as I-SD ... hey Steve...notice your initials in there?
<smile>).

In the APRS service, there is a "NODIGI concept". This is not an alias,
as much as a concept of requesting that no *digipeating* process be
applied to the payload, though other processes are not excluded (i.e.
IGate).
 - accomplished by not including any digi-path (UI-Path)
   payload to one's transmission Example: W2AAA>APRS: . . .

In the Internet Stream of Data (I-SD), there is "x-no-ar". It is an
I-SD protocol for requesting that, should an APRS frame be IGated
(encapsulated within an I-SD frame and sent to a TCP/IP port) to the
I-SD, any archive-capable servers should not archive it. Example:
W2AAA>APRS,RELAY,WIDE2-2:...x-no-ar...

The first is an APRS concept. The second is an I-SD concept. These are
two *different* services, with their own protocols (one already well
documented and the other in the process of being done, I understand).
The discussion at hand focuses on "the APRS side" of the equation.

The next message will outline the various APRS-service "processing
instructions" and how they are implemented in the APRS service.

Ev, W2EV

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763. [aprssig] Re: Abit board?

From: "Christopher E Phelps" <pce1@uswest.net>
Date: Sat, 29 Sep 2001 12:05:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39299-2001.09.29-13.36.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well I was investigating the memory issue, I use 133 that I bought with my
first bd. The second stick worked fine, then I tried the 3rd and when I
turned it on I got a quick wiff of a electrical short. Machine would not sut
down, had to pull plug. My new BD is toast, put old one in that I thought
might be bad and it works fine. That strip of dimm was the last I bought a
from the people I bought the board from and it has lifetime warranty. well
now they will have to replace it and the Abit MB too.
----- Original Message -----
From: Neil Johnson <njohnsn@IowaTelecom.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Saturday, September 29, 2001 11:23 AM
Subject: [aprssig] Re: Abit board?

> I have a large tower case.
>

> When I first set it up, I only had the Power Supply Fan and the HSF
> installed. Worked okay untill I ran MDK 2. Then the mother board
> shutdown because of the CPU Temp (Thank Goodness!). I have since added 3
> more fans (1 on the bottom front blowing in over the cards, 1 in the back
> pulling air over the HSF and out the case, and 1 in the back on the top
> blowing out to cool the hard drive, dvd, cd-rw, and floppy :) drives).
>
> Haven't had any issues since (well It won't shutdown automagically when I
> exit Windows (ME), but that's Windoze fault. Linux works fine).
> I also thought My Athlon and mother board were capable of 133 FSB but the
> system hangs. I don't really care beacause it still blows the doors off my
> old system (a Pentinum 133).
>
> There is a BIOS upgrade for the board you should investigate, They were
some
> known issues with original BIOS.
>
> -Neil
>
>
>
> ---
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>
>
>

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764. [aprssig] (Part 2) APRS Payload Processing Personalities

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 14:14:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39300-2001.09.29-13.40.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following is a list of various "Payload Processing Personalities" as
they exist in the APRS service. They all occur as part of the UNPROTO
setup field. In an AX.25 frame this corresponds to the area noted
below.

```
W2AAA>RELAY,WIDE2-2:. . .
      ^^^^^^^^^^^^
```

Truth #1: Everything below is based on a *request*. There is no
guarantee that the request will be honored, but "well behaved"
applications will do so.

Truth #2: all frames received by a station that is connected to the
Internet Stream of Data (I-SD) will pass those frames to the I-SD.
There is no flagging mechanism as part of the APRS protocol
specification to allow the originator of the transmission the
opportunity to request that this not take place.

For visual learners, the chart below restates the above and "overlays"
the APRS services' standard jargon (though regions may have some of
their own, too):

nul = nothing in the UNPROTO

TX'd Request	Processing Applied to the received frame: RELAY	WIDE	TRACE	WIDEn-N	TRACEn-N	GATE	ECHO	Regnl "IGate"
nul								X
RELAY	X							X
WIDE		X						X
TRACE			X					X
WIDEn-N				X				X
TRACEn-N					X			X
GATE						X		X
ECHO							X	X
"Regional"								X X

On the "RF" side (the APRS service), all requests are by *inclusion*.

That is to say...unless one specifies a particular type of processing,
it is not provided. ie you get GATEd to another APRS frequency *only*
if GATE is in your UNPROTO path.

The sole exception is the IGate function. It is shown in quotes above
because it is *not* an UNPROTO variable. It is an invisible function
that is applied to all frames received by an I-SD connected device (see
Truth #2). There is presently no sanctioned mechanism in the APRS
service for the originator of an APRS transmission to "flag" their
transmission in such a way that "behaved" I-SD connected devices would
know to not perform this function. (by now, most everyone knows the
service where such an ability *does* exist though, right? <g>)

So...this explains how all of that data gets to the I-SD and eventually
to the I-SD connected servers. The next message will outline the I-SD
and what happens there.

Ev, W2EV

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765. [aprssig] (Part 3) IGates, I-SD and I-SD connected servers

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 14:29:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39303-2001.09.29-13.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now that it has been established that all APRS RF that is received by an
IGate-ing station (a station that has both an RF receiver and an
Internet Stream of Data [I-SD] TCP/IP connection) is repackaged and
forwarded to the I-SD, it is time to understand what happens there.

Before I continue, I need to restate that this is simply information
that I *think* is accurate, based on lurking on eMail lists for a number
of years. I have no first hand experience with the I-SD or "beyond".
:o) Others are encouraged to chime-in to clarify, or cut me to pieces
(however one's mood strikes them today). :o)

An IGate receives the APRS frame from RF, repackaging it (encapsulating
it) in such a way that it can be transported across the Internet. It
then sends it to any one of several I-SD "Data Processing Hubs". These
are the same ones that one connects to if using an Internet-connected
computer and APRS software.

These several "Data Processing Hubs" (or servers, as some call them)
perform three operations:
o Receive APRS encapsulated frames from IGate's
o Retransmit those frames on an I-SD port that others may attach to
o Share received APRS encapsulated frames with each other (as a
  load-sharing mechanism, maybe?)

It is bullet #2 above that we next focus on.

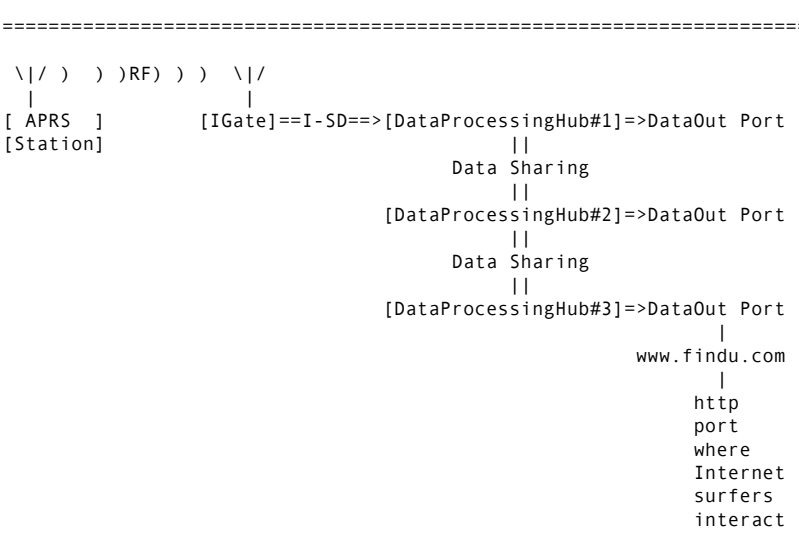
Anyone may attach to a Data Processing Hub's "data out" port and do any
number of things. When APRS users don't have a radio, but want to see
what's going on, they simply launch their favorite I-SD enabled APRS
software, attach to a Data Processing Hub's "data out" port and their
screen fills with icons from all over the world.

Likewise, other Internet connected applications could use that same I-SD
for other functions...such as http://www.findu.com. This is simply an
application that exists on an Internet host somewhere, attached to a
Data Processing Hub's "data out" port, collecting data and manipulating
it.

Since findu.com sits on the Internet, Steve has followed an Internet
convention of providing the originator of an APRS frame a way to "opt
out" of having information archived on his system. Just as Internet
UseNET news servers (that behave) recognize "x-no-archive" as a
request from the messages originator to not archive the message, Steve
has implemented the same "opt-out" mechanism for findu.com. By placing
the abbreviated string of "x-no-ar" anywhere after the ":" in an APRS
frame, *his* server (findu.com) will not archive the frame. Example:
W2AAA>APRS,RELAY,WIDE2-2:...x-no-ar...

Important to remember: x-no-ar is recognized *only* by findu.com and
only affects if the frame is archived. *** It has no other effect. ***

Pictorially, this is what is described above:



The last eMail (it's about time, huh?) in this series will discuss not
only the "RFONLY" or "NOGATE" issue, but another related one ...
syntactical confusion avoidance and a couple of other needed "processing
personalities". :o)

Ev, W2EV

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766. [aprssig] Re: Amateur Radio at WTC relief effort - nogate

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 14:52:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-39305-2001.09.29-14.17.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Regarding position ambiguity I think there are two different things mixed
> up, causing confusion. I see two major cases:
>
> 1) Real inacutate source
> 2) Making an acurate source look inacurate

There still seems to be total missunderstanding of the concept of APRS
ambiguity. Let me try again to explain it. First some easy facts:

1) "position ambiguity" is a DEFINITION in APRS.
2) It is the number of digits missing in the ORIGINAL ENTERED POSIT.
3) It has nothing to do with GPS, nor probabilities of error
4) It has nothing to do with hiding positions or masking accuracy
5) It has nothing to do with moving positions.
6) It means only one thing:

"It conveys to the recepient the lack of precision of a manually entered
position."

If a person enters a position to 4 digits as in 3859N 07629W then that
position must be conveyed to the receipient as   3859N 07629W and it must
not be confused with the PRECISE position of 3859.00N 07629.00W. This
lack of precision that was entered by the SENDER must be unequivocably
conveyed to the recepient in all displays and especially on MAPS so that
ICONS are not placed PRECISELY at an exact spot on a map that was not the
intention of the sender." Or the SIZE of the ICON must be expanded at
all zoomed-in map scales so that the SIZE of the area of the ICON always
covers the area of ambiguity inherrent in the originators choice of only
sending the precision that he had.

Please, do NOT apply this to moving positions, or positinos from GPS's or GPS errors or MAP datum errors, or circles of probability, or security or lostness, or anything else. "position ambituity" applies to MANUALLY entered positions where the ORIGINATOR is not certain of the exact spot on the earth and chooses to enter ONLY ENOUGH digits as to cover the area he intended.

Example 1: You are looking at an overall 60 mile map of NYcity which only shows the major Interstates. Each pixel is 1/10th of a mile across.. You place an object on the map to show the location of your house. Unless you know the GPS position of your house, and can manually type in the precision down to 7 digits (60 feet), then the result of this placement of the ICON by eye on a map can be no more accurate than 1/10th of a mile. Thus, that postition SHOULD NOT be transmitted with any more precision than that.

APRSdos does this automatically.

On receipt, someone with a much better map zooms in and unless position ambiguity is properly implemented as defined in APRS, then that receiving person may zoom in on a 1 mile map and see your ICON EXACTLY 500 feet or more away from where you thought it was. This is the lack of integrity between the sender and the receiver that must be avoided in APRS.

However, if position ambiguity was properly implemented in the receviers software (as in APRSdos), then when he zoomed in below the point at which he was looking at an area that is smaller than the original resolution on the senders screen (in this case 1/10th of a mile), then the ICON should either GROW to cover that full 1/10th of a mile location or, as in APRSdos, the ICON is replaced with a 1/10th mile radius circle. This is so that there is NEVER any missinterpretation of the precision on the part of a recepient of a position when the SENDER only sent the position to a precision that is less.

EXAMPLE #2. Most of the time I do NOT have GPS plugged into my Kenwood THD7. THus, I manually enter either the approximate position of my HOUSE, my OFFICE, or my MOTEL or whatever event I am in the area of. Rather then entering an EXACT position, that would misslead everyone to think that I am EXACTLY somewhere, I enter just the DDMM__N DDDMM__W and a position ambiguity of 2 digits. On all properly implemented APRS software map displays, then anyone looking at a state map sees my ICON either at WORK, or HOME, or wherever. But as they zoom in, at the point where my ICON is SMALLER than the ambiguity in the above position, then my ICON should disappear and be replaced with a circle showing the ambiguity that I intended. Thus, there is no missinterpretation by anyone when they zoom in to find me that I am some place exactly when I only indicated an AREA where I was.

If I arrive at a new city, with my Kenwood HT, I may just enter a LAT/LONG with an ambiguity of 3 digits. THis is not to mask my position in any way. It is a way of saying that I am in Birmingham within 10 miles of the LAT/LONG that I manually entered. THus, anyone in QSO with me will see that I am in Birmingham, but will not be misslead when they zoom into to try to see what street corner I am standing on. I dont Know! I am not carrying a GPS, All I konw is that I am in birmingham and the approximate LAT/LONG of the area. The RECEIPIENT must not be misslead.

Please dont try to make this any harder than it is.

EXAMPLE 3: WHen one places say a RAIN object on the map at say the STATE MAP scale (64 mile scale). Someone will eventually zoom in on that object to the 1 mile scale and then complain because the RAIN ICON is in someone's garage. This is the LOSS OF INTEGRITY that I am trying to defend against. In APRSdos, if you place an object on a map at the 64 mile scale, then the position of that object is AUTOMATICALLY transmitted with a position ambiguity of 2 digits meaning it is only precise to 1 mile. Thus on receipt, when you zoom in to say the 4 mile scale, you will not see a precise ICON on the map in someone's garage, but you will see a 1 mile circle with the label RAIN.

So position ambiguity only applies to MANUALLY entered positions, and this includes both of these methods:

1) Manually typed digits (ambiguity defined by number of digits entered)
2) Manually located by moving a cursor on a map. (ambiguity determined by the degree to which the human can visually discriminate his placement error.

In APRSdos for #1, only the digits entered are transmitted.
In APRSdos for #2, These are the thresholds:

```
SENDER-MAP-SCALE  XMITTED---POSITION  AMBIGUIITY  CIRCLE SHOWN BELOW
----------------  ------------------  ----------  ------------------
2048 to 8192      DD__.__N DDD__.__W  60   Miles  256 mile scale
512  to 1024      DDM_.__N DDDM_.__W  10   miles  32 mile scale
32   to 256       DDMM.__N DDDMM.__W   1   mile   4 mile scale
4    to 16        DDMM.h_N DDDMM.h_W   0.1 mile   1 mile scale
.125 to 8         DDMM.hhN DDDMM.hhW   60  feet   ICON always shown
```

Remember, POSITION AMBIGUITY only applies to convey the MANUAL ambiguity
of MANUALLY entered positions. And this is not some rare feature,
this is an everyday application of APRS. APRS is a communications tool.
It must NOT imply precision on recepit of an object when the sender did
not intend it.

I hope this helps.

Bob, WB4APR

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767. [aprssig] Re: three stations at my QTH

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 15:00:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39306-2001.09.29-14.25.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 29 Sep 2001, Joe Della Barba wrote:

> http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5
>
> This shows both W3ADO and KB3ERW-2 to be on my boat.
> 73
> Joe N3HGB-5

This is because somehow you are transmitting in each packet TWO raw GPS
sentences separated by a carriage-return-LF. One of these works for you,
but the second sentence appears in all receiving software as a GPS
position report without a header. Most APRS software interprets that as a
local GPS position via the serial port. (Any of the methods that assume
both a TNC and GPS are connected to the same serial port)

I have been meaning to ask you why you are ssending posits this way. It
is not a standard APRS format. And maybe messing things up quite a bit.

Can you clarify to me all about your set up and why it is doing this?
Ill help figure out whats wrong...
Thanks

Bob, WB4APR

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768. [aprssig] Re: 220

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 15:06:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39307-2001.09.29-14.31.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 29 Sep 2001, Phil Reed wrote:

> If we're going to actively consider moving off 2 meters, I suggest higher
> frequencies for a couple of reasons:

>
> (1) ...the more activity we can get into the higher bands,
> (2) Antennas are smaller,

And the pathloss between two 1/4 wave antennas is worse. Since APRS
usually does not use directional gain antennas, for any increase in
freaquency, the RF path loss goes up as the frequency goes up. Thus it
takes 9 times more power for the same 1/4 wave to 1/4 wave antenna at 440
than at 2 meters. At 900 Mhz it is 18 times worse and so on.

Normally for point-to-point communications this is not a problem at all,
because smaller antnenas mean that you can build higher gain beams in the
same space to more than make up for it.

But for mobile whip antennas, and OMNI low gain digis antennas, you pay a
big penalty in going higher in frequency...

bob

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769. [aprssig] (Part 4) RFONLY, NOGATE and other lurking holes in APRS

From: Ev Tupis <w2ev@rochester.rr.com>
Date: Sat, 29 Sep 2001 15:59:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39312-2001.09.29-15.26.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So... unlike UIPATH aliases which must exist in order to be recognized
for processing (you don't get RELAY'ed, unless RELAY is in your
UNPROTO), one gets IGate-d without regard as to the intent of the
originating station.

Now, for some more misbehavin'. Some software allows BRIDGE-ing to take
place, without the originator's knowledge.

As succinctly as I can put it:
o a GATEway links two different systems, and translates the
  protocols to allow them to "talk".

  Example: Linking 144.39 to 10.151 requires a GATE because a
           translation between VHF's 1200 baud and HF's 300 baud
           must occur. Additionally, the UNPROTO protocols used
           on VHF are different than those used on HF. These are
           two different systems that are linked by a GATE.

o a BRIDGE links two "collision domains" or segments of the
  same system without doing any protocol translation

  Example: Linking the 53.530 and 28.128 BEACONet frequencies would
           require a BRIDGE because these two frequencies share the
           same protocol, they are simply two different collision
           domains (or segments).

There are software systems that presently allow BRIDGE-ing to take place
without the originators consent or knowledge (and possibly with
unexpected or unintended results). The process is simple:

o connect TNC1 and Radio1 to Computer Port1
o connect TNC2 and Radio2 to Computer Port2
o configure computer to "connect" the ports

The problem is when one is on a service that recognizes the RFONLY alias
(ok, ok...BEACONet), but someone with good intentions has BRIDGEd a
BEACONet frequency with an APRS frequency, where the frame could end-up
on the Internet anyway (arghhhh!).

Another problem occurs in differentiating the terms: GATE, IGate, the
function of GATE-ing RF channels (between two channels in the same
service, using the same protocols) and BRIDGE-ing -- a new-to-APRS term
referring to connecting two collision domains together, but without any
protocol translation occuring.

So...here's the proposal: the need for three new (to APRS, anyway)

```
aliases:
          Allow    Allow   Allow
          Bridge   RFGate  IGate
          ------   ------  ------
RFONLY =   Yes      Yes     No
NOGATE =   Yes      No      No
IGNORE =   No       No      No

All three will "plug the Internet hole" for those that want that, and
allow for additional varying degrees of restricting paths that are
presently also otherwise beyond the control of the originating
station...with the knowledge that there may still be "misbehaving"
applications out there...but this is a good start.

Ev, W2EV

ps.  not more eMails in this series :o)

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

770. [aprssig] Chased Off 144.390 Now ?

From: Matthew W Stennett <WA4TKG@mediaone.net>
Date: Sat, 29 Sep 2001 16:08:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39313-2001.09.29-15.32.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What have I missed ?

Is this for REAL; is APRS being PUSHED AROUND again ?

If so; WHERE is the proposed frequency THIS time ?

...ANYTHING but 220, the IC-706MKIIG won't " go there " .

MacRatt Matt


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

771. [aprssig] Re: three stations at my QTH

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Sat, 29 Sep 2001 13:23:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39317-2001.09.29-15.48.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I had this happen with a friend of mine also.  It would appear he was
having an APRS party at his QTH everyday. We finely figured out the his TNC (a
MFJ or AEA PK-80 running PACCOMM 5.0) was setup for 2 GPS strings. 1 RMC and 1
GGA string. The TNC would transmit the first GPS string with a header and the
second without a header. My D7 while waiting for it's own GPS string would
hear the second of his GPS strings and would think it was from my GPS and I
would be magically transported to his tracker location. After setting the TNC
for 1 GPS header only,  the problem went away.

Bob Bruninga wrote:

> On Sat, 29 Sep 2001, Joe Della Barba wrote:
>
> > http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5
> >
> > This shows both W3ADO and KB3ERW-2  to be on my boat.
> > 73
> > Joe N3HGB-5
>
> This is because somehow you are transmitting in each packet TWO raw GPS
> sentences separated by a carriage-return-LF.  One of these works for you,
> but the second sentence appears in all receiving software as a GPS
> position report without a header.  Most APRS software interprets that as a
> local GPS position via the serial port.  (Any of the methods that assume
> both a TNC and GPS are connected to the same serial port)
```

>
> I have been meaning to ask you why you are ssending posits this way. It
> is not a standard APRS format. And maybe messing things up quite a bit.
>
> Can you clarify to me all about your set up and why it is doing this?
> Ill help figure out whats wrong...
> Thanks
>
> Bob, WB4APR
>
>

--
  Kurt O. Jauss
     kf6hjo@earthlink.net
         3630.45N 11940.50W   144.39Mhz
       Selma Ca.   {APRS Weather & GPS Tracker}
    SKYWARN member Hanford Ca. NWS
              DOSAPRS/WAPRS/APRS+SA
  Want to find my truck? http://www.findu.com/cgi-bin/find.cgi?kf6hjo-7

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

772. [aprssig] TH-D7AG

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 30 Sep 2001 06:30:40 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39318-2001.09.29-15.55.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

Are you limited to seeing the 1st 20 characters of the status text on a
TH-D7AG ?

Andrew

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

773. [aprssig] RE: three stations at my QTH

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 18:06:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39332-2001.09.29-17.32.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The positions are bogus.
73
Joe
----- Original Message -----
From: "Bill Diaz" <billdiaz@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 29, 2001 1:45 PM
Subject: [aprssig] RE: three stations at my QTH

Joe,
  Hope you are enjoying the eyeball communications.

Or are you saying the positions are bogus?

Bill KC9XG

On Saturday, September 29, 2001 11:37 AM, Joe Della Barba
[SMTP:joe@dellabarba.com] wrote:
> http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5
>
> This shows both W3ADO and KB3ERW-2 to be on my boat.
> 73
> Joe N3HGB-5

>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: joe@dellabarba.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

774. [aprssig] Re: three stations at my QTH

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 18:11:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS" <aprssig@tapr.org>
Message-ID: <LYR842-39334-2001.09.29-17.38.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oops...
The PK-12 can do that, but I didn't think it was activated. I will go down
and reprogram it tonight.
Thanks,
Joe
73 de N3HGB
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 29, 2001 3:00 PM
Subject: [aprssig] Re: three stations at my QTH

On Sat, 29 Sep 2001, Joe Della Barba wrote:

> http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5
>
> This shows both W3ADO and KB3ERW-2 to be on my boat.
> 73
> Joe N3HGB-5

This is because somehow you are transmitting in each packet TWO raw GPS
sentences separated by a carriage-return-LF. One of these works for you,
but the second sentence appears in all receiving software as a GPS
position report without a header. Most APRS software interprets that as a
local GPS position via the serial port. (Any of the methods that assume
both a TNC and GPS are connected to the same serial port)

I have been meaning to ask you why you are ssending posits this way. It
is not a standard APRS format. And maybe messing things up quite a bit.

Can you clarify to me all about your set up and why it is doing this?
Ill help figure out whats wrong...
Thanks

Bob, WB4APR

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

775. [aprssig] Re: Chased Off 144.390 Now ?

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 29 Sep 2001 18:15:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39335-2001.09.29-17.42.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As far as I know, we were just BSing about different bands.
Joe
73 DE N3HGB
----- Original Message -----
From: "Matthew W Stennett" <WA4TKG@mediaone.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, September 29, 2001 4:08 PM
Subject: [aprssig] Chased Off 144.390 Now ?

What have I missed ?

Is this for REAL; is APRS being PUSHED AROUND again ?

If so; WHERE is the proposed frequency THIS time ?

...ANYTHING but 220, the IC-706MKIIG won't " go there " .

MacRatt Matt

You are currently subscribed to aprssig as: joe@dellabarba.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

776. [aprssig] PCsat Launch in 1 hour (maybe)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 21:41:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-39357-2001.09.29-21.06.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are in the launch window. Holding for solar flux to fall further.
Expect that in about one hour at 2230 EDT. That is 0230z.

Same ground track as shown on the PCsat web page below.

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

777. [aprssig] RE: PCsat Launch in 1 hour (maybe)

From: "W1SAR" <w1sar@searcher.org>
Date: Sat, 29 Sep 2001 19:02:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39362-2001.09.29-21.28.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Live coverage of launch on NASA channel on TV right now!

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Bob Bruninga
> Sent: Saturday, September 29, 2001 6:42 PM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] PCsat Launch in 1 hour (maybe)
>
>
> We are in the launch window. Holding for solar flux to fall further.
> Expect that in about one hour at 2230 EDT. That is 0230z.
>
> Same ground track as shown on the PCsat web page below.
>
> de WB4APR@amsat.org, Bob
>
> PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
>
>
> ---
> You are currently subscribed to aprssig as: w1sar@searcher.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

778. [aprssig] RE: PCsat Launch in 1 hour (maybe)

From: "Paul Knupke, Jr." <pekjr@tampabay.rr.com>
Date: Sat, 29 Sep 2001 22:20:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39363-2001.09.29-21.45.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And for those of us that do not have NASA TV on our local cable systems
and don't have a satellite dish.   (Its hard to believe that Time Warner
here on Florida's west coast doesn't have NASA TV -- even though it's a
frequent request!)

NASA TV via the web:

http://spaceflight.nasa.gov/realdata/nasatv/index.html

Works great with broadband!

73
Paul
N4PK

Largo, FL

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

779. [aprssig] PRE Launch Keps

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 22:22:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39364-2001.09.29-21.47.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If we go in 7 minutes as planned, here are my guess at the keps...

Epoc: 2001 273.152778
Mean Anomoly: 123
Mean Motion: 14.28957165
Inclination: 67 deg
Excentricity: .00072
Arg of Perogee: 243 deg
R.A.A.N   116 deg
Decay: 0
Beacon Freq: 145.825

Ground track should be the same as always posted on the web site

http://www.ew.usna.edu/pcsat

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

780. [aprssig] Launch success

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 22:43:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39365-2001.09.29-22.08.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Launch at 0240z successful. PCsat separates at 0350z and is activated
with 1 minute 1200 baud AX.25 AFSK telemetry on 145.825.

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

781. [aprssig] RE: Launch success

From: "Cap Pennell" <cap@cruzio.com>
Date: Sat, 29 Sep 2001 19:56:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39369-2001.09.29-22.21.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Up, up, and away! Congratulations!

Telemetry acquired at Vandenburg AFB, CA. (and then lost as expected, right
on time).
73, Cap KE6AFE

> Launch at 0240z successful. PCsat separates at 0350z and is activated
> with 1 minute 1200 baud AX.25 AFSK telemetry on 145.825.
>
> de WB4APR@amsat.org, Bob
>
> PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

782. [aprssig] PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 23:05:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39372-2001.09.29-22.30.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am posting an object on 144.39 showing the locations of an object called
PCSAT. Hopefully it will make it to FINDU and www.aprs.net?

But we have poor IGate coverage in Maryland, so I done know if this works.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

783. [aprssig] TMD-700

From: "H. Vordenbaum" <k5hv@hilconet.com>
Date: Sat, 29 Sep 2001 22:05:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39373-2001.09.29-22.32.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any software for programming the TM-D700A's
frequencies/memories/modes, etc.?
K5HV
H.N.Vordenbaum
106 Stone Ridge Drive
Kerrville, TX 78028
830-896-2894

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

784. [aprssig] RE: PCsat

From: "Mark A. Foley" <na4v@home.com>
Date: Sat, 29 Sep 2001 23:13:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39374-2001.09.29-22.38.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

they are Bob, have your object posts recorded with ALogger....
Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.na4v.com

-----Original Message-----
From: bounce-aprssig-23858@lists.tapr.org
[mailto:bounce-aprssig-23858@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Saturday, September 29, 2001 11:06 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] PCsat

I am posting an object on 144.39 showing the locations of an object called
PCSAT. Hopefully it will make it to FINDU and www.aprs.net?

But we have poor IGate coverage in Maryland, so I done know if this works.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
You are currently subscribed to aprssig as: na4v@home.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

785. [aprssig] RE: TMD-700

From: "Mark A. Foley" <na4v@home.com>
Date: Sat, 29 Sep 2001 23:14:43 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39375-2001.09.29-22.39.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

go to: http://216.133.235.165/SOFTWARE/TMD700A/
Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.na4v.com

-----Original Message-----
From: bounce-aprssig-23858@lists.tapr.org
[mailto:bounce-aprssig-23858@lists.tapr.org]On Behalf Of H. Vordenbaum
Sent: Saturday, September 29, 2001 11:06 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] TMD-700

Is there any software for programming the TM-D700A's
frequencies/memories/modes, etc.?
K5HV
H.N.Vordenbaum
106 Stone Ridge Drive
Kerrville, TX 78028
830-896-2894

You are currently subscribed to aprssig as: na4v@home.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

786. [aprssig] Re: [amsat-bb] PRE Launch Keps Corrected

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Sep 2001 23:24:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39376-2001.09.29-22.49.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ARGH! Here is the better set that is on the WEB page. My email below had
an Epoc that was 10 minutes early... I copied it here but FIXED the EPOC
So the set below is the best we have now.

> Epoc: 2001 273.15972
> Mean Anomoly: 123
> Mean Motion: 14.28957165
> Inclination: 67 deg
> Excentricity: .00072
> Arg of Perogee: 243 deg
> R.A.A.N 116 deg
> Decay: 0
> Beacon Freq: 145.825
>
> Ground track should be the same as always posted on the web site
>
> http://www.ew.usna.edu/pcsat

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

787. [aprssig] RE: PCsat

From: "Cap Pennell" <cap@cruzio.com>
Date: Sat, 29 Sep 2001 20:33:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39377-2001.09.29-22.58.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Showing fine at http://map.findu.com/pcsat
73, Cap KE6AFE

Bob WB4APR wrote:
>
> I am posting an object on 144.39 showing the locations of an object called
> PCSAT. Hopefully it will make it to FINDU and www.aprs.net?
>
> But we have poor IGate coverage in Maryland, so I done know if this works.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

788. [aprssig] picosat ok

From: blitz <blitz@macronet.net>
Date: Sat, 29 Sep 2001 23:51:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39378-2001.09.29-23.16.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NASA is confirming picosat deployed sucessfully..

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789. [aprssig] sat deployment

From: blitz <blitz@macronet.net>
Date: Sat, 29 Sep 2001 23:53:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39379-2001.09.29-23.18.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

saphire is healthy as well...

No word on PC-Sat yet..

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790. [aprssig] PCsat name change

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 00:18:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-39381-2001.09.29-23.42.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I now have updated APRSdata in the local area (Maryland) and it is doing
its normal thing of transmitting the positon of PCsat on 144.39. You will
see it on http://map.findu.com/PCst and other APRS internet sites.
Notice the call of the APRS "object" is now "PCst"

I am no longer uplinking the object "PCSAT"

Remember, LISTEN ONLY. PCsat is not open for general use for at least 2
weeks of operational checkout.

Callsigns of PCsat are:

PCSAT-11, -12
W3ADO-1, -2

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

791. [aprssig] Re: PCSat Update

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 29 Sep 2001 22:20:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39382-2001.09.29-23.46.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

0419 UTC

Kodiak reports telemetry contact with launch vehicle after first full
orbit.

Other reports on NASA TV mention "ham contact with PCSat"

0420 UTC - Kodiac has radar tracking.

Look'n good!!

http://www.broadcast.com/learning_and_education/science/space/nasa/nasa_television/

for the latest

73

Andrew Rich wrote:
>
> Anyone know the latest ?
>
> Andrew VK4TEC
>

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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792. [aprssig] PCsat in Calif

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 00:21:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-39383-2001.09.29-23.47.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Californians right on the extreme west coast in Mid california will have a
minute or so of PCsat right on their western horizon at 0 degrees
elevation at about 0428z. That is your last chance until tomorrow...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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793. [aprssig] Theyre ok..

From: blitz <blitz@macronet.net>
Date: Sun, 30 Sep 2001 00:25:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39384-2001.09.29-23.51.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NASA TV reports all three sats deployed successfully, and they are in
contact with PCst via ham radio.

Hooray!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

794. [aprssig] PCsat lives!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 00:31:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39385-2001.09.29-23.56.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We see at 0427z telemetry on the internet, must have been heard from
Alaskan IGate! She lives! PCSAT-11

I will try to limit further comment, unless something else exciting
happens. We now konw it LIVES!

de WB4APR,

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795. [aprssig] PCst

From: blitz <blitz@macronet.net>
Date: Sun, 30 Sep 2001 00:43:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39395-2001.09.30-00.08.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Telemetry from the "B" side was received ok, they were doing the "A" side
as the commentator spoke. (Saying he had to "fat thumb" the antenna a bit)
They just finished saying everything looks ok, orbit is fine, altitude
fine. 436.7 miles 66 deg incl.

NASA TV is dropping coverage till tomorrow at 12:50am EDT

TTYL

As soon as someone has some "official" TLE's for it, kindly post them here
so i can set up STK.

73
Marc

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796. [aprssig] From NASA TV - Starshine is alive !!!

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Sun, 30 Sep 2001 00:09:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39396-2001.09.30-00.26.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Williams from Palmer Station at 0055 EDT he heard
packets from Starshine. It's alive and deployed !!!

73 Maiko / VE4KLM

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797. [aprssig] PCsat Urgent

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 03:19:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39403-2001.09.30-02.45.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please everyone, do NOT re-inject any PCsat packets back to RF!

PCsat packets are not time stamped at the source, only on receipt. THus
when they arrive here. Somone is curently somehow gating them back to RF,
and our telemetry gatherings system here has no way to filter out those
time delayed and duplicated packets. Until we get this all going, we are
having to hand edit everything. And there are only 2 of us.

Just receive packets live. Everyone else will to. The signals are strong
enough to be heard by everyone even on 144.39, so there is never any need
to relay PCsat downlink back to 144.39.

Thanks

de WB4APR@amsat.org, Bob

```
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design        http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

798. [aprssig] PcSat Heard in Australia

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 30 Sep 2001 20:41:07 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39409-2001.09.30-06.06.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Well My Kenwood TH-D7A(G) arrived yesterday, and after the first charge I
> went outside and turned it on.
>
> Guess what ?
>
> I heard PCSat 1200 baud and 9k6 (not sure about 9k6)
>
> Date: 30/9/01
> Time: 19:52 Local / 09:52 UTC
> Heard: 1200 Baud and 9k6 AX25 busrts on HT in back yard
> From: Brisbane, Queensland Australia
> Signal: Full quitening (S++)
>
> Further reports to come.
>
> Andrew VK4TEC
>
>
>
>
>
>

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799. [aprssig] PCsat heard in Switzerland

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Sun, 30 Sep 2001 13:18:22 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39412-2001.09.30-06.43.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The bird is working, great!!!

I received the following on 145.825:

W3ADO-1>APRS3:Default LT3

PCSAT-11>APRS3:Default LT3

W3ADO-1>APRS4:Default LT4

sorry, no time-stamp.

Ernst HB9PVI

WWW:
http://beam.to/HB9PVI

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800. [aprssig] Q: Noice on TH-D7 & Laptop or Palm

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 30 Sep 2001 13:28:19 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39413-2001.09.30-06.54.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a technical question where I wonder how others solved it, if any.

Introduction

Maybe you noticed that when you use a TH-D7 standalone with its own antenna
it receives an auwfull lot more packets then when you connect it to a Laptop
or Palm. At least I and other hams in the area noticed this. Connecting the
Laptop or Palm raises the noice floor so only stonger signals will pass. I
saw in the archive of the HT SIG that people thought the TH-D7 was deaf, but
that's not the case, its additional RF noice that causes the problems.

How to measure

One of the problems was to detect the noice-floor in the first place. The
TH-D7 normally doesn't show it on the S-meter. There is a posibility to make
it visible however. Procedure: switch to single-band, use band 'B' (on 'A'
it does not work) in VHF and open the Squelch. Now the S-meter also shows
the environmental noice. When my home PC is switched on I have an S-9
noice-floor which is otherwise not visible.

Observation

Now I test my "portable" setup. The TH-D7 with its own antenna, serial line
and Laptop powered with its battery - or palm. Now when Laptop or Palm is
switched off I have S-0 signal, no significant noice from other equipment.
The TH-D7 in APRS standalone mode picks up S-5 signals easily. When I switch
the Laptop or Palm on, I get an S-7 noice reading. S-5 signals drown in the
noice and up to S-9 signals are needed to get any packet decoded by the
build-in TNC. Removing the antenna drops the noice back to S-0 so all the
distrubance enters through the annenna. Switching the LCD flat-pannel
display on the Laptop off also greatly reduces the noice signal.
Disconnecting the serial line also makes the noice vanish - which to me
indicates that somehow the physical connection plays a role. This is even
the case when I disconnect it at the Laptop or Palm side. Since the noice
seems to be injected through the antenna connecting an external antenna also
elimitates the noice, but that's not option for the "portable" setup.
Connecting the eTrex GPS to the GPS input does not intoduce any noice.

Attempts to combat

Since disconnecting the serial line eliminates the noice, somehow the noice
travels over the cable. Rf signals are fed to the reciever via two wires,

one is the antenna and the other is ground. Removing either one of them
kills the noice, so I think the noice is injected on the floating ground.
The ultimate solution is most likely galvanic separation in the serial line
by means of opto-couplers. I have not tried that but attempted to use
passive components instead. Each of the 3 wires now has a coil. I also tried
to short circuit RF though small capacitiors beween the three wires. It only
has minimal effect. Adding a ferrite ring arround the cable helped only a
little-bit. So up to now I have not found a working solution using passive
components, except carrying an external antenna and some coax to locate the
antenna away from the TH-D7 and Laptop. Sometimes the antenna can be put at
a strategic spot where all the noice is more or less cancelled. Moving the
antenna a few centimeters makes a huge difference in that case. Of course in
a car it works great because the antenna is outside and the equipment
inside.

Questions
----
1) Are there people working with a similair setup?
2) Did you notice this decreased sensitivity when you connect
   a Laptop or Palm compared to the TH-D7's APRS mode?
3) How did you solve the problem of increased noice due to
   the connection of a laptop or palm?
4) What did you try and what does work or not work?
5) Are there Laptops or Palms that do not introduce
   noice - you can measure this with the method I
   discribed above using the VFO 'B' band on VHF and
   open squelch.

I have not read much about it, only complaints on the TH SIG about a deaf
TH-D7's without people finding out the reason why - let alone how to combat
it - so I don't expect much. But if you found a solution please step
forward, I think a lot of people would be interested in it. I don't mind to
make slight modifications the te Laptop if needed.

If I want to make an opto-coupled galvanic separation, does anyone has a
diagram of this for a 3 wire RS232 interface? Any other options?

Kind regards,

Henk.

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801. [aprssig] Fw: Re: three stations at my QTH

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 30 Sep 2001 09:13:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39432-2001.09.30-08.40.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There are quite a few stations with me in China too!
Joe
73 DE N3HGB-5

http://www.findu.com/cgi-bin/near.cgi?call=N3HGB-5

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

802. [aprssig] PCsat NOT for users yet.

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 09:27:58 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39434-2001.09.30-08.52.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Europe (and others).

Please recognize that PCsat is *not* open for general use for several days
while we complete on-orbit checkout. We are seeing lots of activity in
Europe. We ask that users please wait while we get the system loaded.
GIve us at least 2 weeks. (we may authorize users earlier than that, but
it is too early to commit). We have lots to do, and have difficulties if
the uplink is jammed.

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

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803. [aprssig] PCSAT - anyone have TLEXXX.TXT for STSPLUS yet ?

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Sun, 30 Sep 2001 08:48:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39435-2001.09.30-09.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

First of all, congratulations to Bob and the entire PCSAT team.

Secondly, does anyone have TLEXXX.TXT file yet for STSPLUS satellite
tracking software that contains the PCSAT info ?

73 Maiko / VE4KLM

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804. [aprssig] Re: [amsat-bb] PRE Launch Keps Corrected

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 1 Oct 2001 00:03:28 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39449-2001.09.30-09.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Sep 29, 2001 at 11:24:18PM -0400, Bob Bruninga wrote:
> ARGH! Here is the better set that is on the WEB page. My email below had
> an Epoc that was 10 minutes early... I copied it here but FIXED the EPOC
> So the set below is the best we have now.
>
> > Epoc: 2001 273.15972
> > Mean Anomoly: 123
> > Mean Motion: 14.28957165
> > Inclination: 67 deg
> > Excentricity: .00072
> > Arg of Perogee: 243 deg
> > R.A.A.N   116 deg
> > Decay: 0
> > Beacon Freq: 145.825

Are these available in a format which can be imported directly into
tracking programs? Preferrably 2-line format? I compared the above
(which looks like AMSAT format) with some other AMSAT-format keps
and there were some differences.. Also there's about four spelling
errors in the keywords, so I guess this isn't meant to be read in
directly.

thanks
Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

805. [aprssig] CORRECTED Prelaunch keps TLE (WITH TLE attachment)

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 30 Sep 2001 09:58:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39453-2001.09.30-10.25.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a first approximation. I didn't spent too much time, and I'll
revisit this later, but:

PCSAT
1 00000U   01273.11597200 .00000000 00000-0 00000-0 0   1
2 00000 67.0000 118.0000 0007200 243.0000 123.0000 14.28957165   18

amish Moffatt wrote:
>
> On Sat, Sep 29, 2001 at 11:24:18PM -0400, Bob Bruninga wrote:
> > ARGH! Here is the better set that is on the WEB page. My email below had
> > an Epoc that was 10 minutes early... I copied it here but FIXED the EPOC
> > So the set below is the best we have now.
> >
> > > Epoc: 2001 273.15972
> > > Mean Anomoly: 123
> > > Mean Motion: 14.28957165
> > > Inclination: 67 deg
> > > Excentricity: .00072
> > > Arg of Perogee: 243 deg
> > > R.A.A.N   116 deg
> > > Decay: 0
> > > Beacon Freq: 145.825
>
> Are these available in a format which can be imported directly into
> tracking programs? Preferrably 2-line format? I compared the above
> (which looks like AMSAT format) with some other AMSAT-format keps
> and there were some differences.. Also there's about four spelling
> errors in the keywords, so I guess this isn't meant to be read in
> directly.
>
> thanks
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)
[Attachment: pcsat.tle; text/plain; 147 bytes]

806. [aprssig] PCSAT Packets heard in Winnipeg (VE4 Land) ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Sun, 30 Sep 2001 10:13:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39454-2001.09.30-10.29.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

I actually picked up the following packets just
after 9 (am) hours CDT, 14 hours GMT :

 R0:18 9:10 K5QXJ/W3ADO-1*>CQ>UI,R,F0:
 R0:20 9:11 KB2WQM-2/W3ADO-1*>FM29PE>UI,R,F0:
 hello
 R0:20 9:11 KB2WQM-2/W3ADO-1*>FM29PE>UI,R,F0:
 R0:13 9:12 KB2M-3/W3ADO-1*>FM29PE>UI,R,F0:
 congrats

That's all I got. There's alot of noise around
here, so no doubt I missed the direct beacon,

and other stuff.

73 de Maiko / VE4KLM

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807. [aprssig] PCSAT Packets heard in Saskatoon - VE5

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Sun, 30 Sep 2001 10:08:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39477-2001.09.30-11.32.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Here's what PC-sat had to say while over Saskatoon. I set the TNC to
display even invalid packets. All times are CST (UTC -6).

PCSAT-11>BEACON,SATE [09/30/01 09:45:35]
<UI>:T#080,164,)70,104,216,213,11111111,1111,1
PCSAT-11>BEACO,SGATE [09/30/01 09:46:16] <UI>:>+01220z s9rop test no
users#p6eaWe umtil ckoyt Sompleue
fCSAT-11>BCACON,SFATE [09/30/01 09:46:16] <UI>:T#082,105)=03,<%0,108
213,13)%10)%,1701,2
PCSAR-11>BEACON-12,SGATE [09/30/01 09:47:56]
<UI>:T#087,103(105,075,107,2)3,11111111,1110,1
PCSAT-11>"EACON,SGATE [09/30/01 09:48:16] <UI>:>301220z sysop test no users
please until ckout complete
PCSAT-11>BEACON,SGATE [09/30/01 09:48:16]
<UI>:T#088,165,170,100,216,213,11111111,1111,1
PCSAT-11>BEACON,SGATE [09/30/01 09:48:35]
<UI>:T#089,077,040,043,052,213,11111111,1100,1
PCSAT-11>APRS1 [09/30/01 09:49:18] <UI>:Default LT1
PCSAT-11>APRS4 [09/30/01 09:49:21] <UI>:Default LT4
PCSAT-11>BEACON,SGATE [09/30/01 09:49:35]
<UI>:T#092,167,173,104,217,213,11111111,1111,1
PCSAT-11>BEACON,SGATE [09/30/01 09:49:55]
<UI>:T#093,066,040,061,047,213,11111111,1100,1
PCSAT-11>BEACON,SGATE [09/30/01 09:50:36]
<UI>:T#095,106,105*085,115,213,)!1q5111,1#10(1
`SAQ8-11>B%@#OH,SGATE [09/30/01 09:50:56]
<UI>:T#096,155,171,=01,216,213,11111111,1111,1
PCSAT-11>BEACON,SGATE [09/30/01 09:51:56]
<UI>:T#099,106,106,112,159,213,11111110,1110,1
PCSAT-11>BEACON,SGATE [09/30/01 09:52:16] <UI>:>301220z sysop test no users
please until ckout complete
PCSAT-11>BEACON,SGATE [09/30/01 09:52:16]
<UI>:T#100,166,173,101,217,213,11111111,1111l0

73 - Bruce - VE5BNC
52 05 46N 106 37 59W

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808. [aprssig] Oops! Typo in TLE

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 30 Sep 2001 11:51:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39482-2001.09.30-12.16.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please accept apologies from me, and thanks to W3SMK for a good catch.

Corrected TLE for PCSat:

PCSat
1 00000U   01273.15972000 .00000000 00000-0 00000-0 0   1
2 00000 67.0000 118.0000 0007200 243.0000 123.0000 14.28957165   18
--
Gerry Creager -- gerry@cs.tamu.edu

Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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809. [aprssig] PCst Space Command ID # ????

From: "Jim Morrison" <km5bs@hotmail.com>
Date: Sun, 30 Sep 2001 17:11:04
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39485-2001.09.30-12.35.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have the US Space Command ID number for PCst. It will be a five
digit number, probably just above 26928 (the last assigned number in my
latest download for STS+)??

WAY TO GO BOB and the PCSAT TEAM!!!!!

73's
Jim KM5BS

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---
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810. [aprssig] 9600 baud

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 13:48:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39495-2001.09.30-13.13.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IGates throughout North America are automatically feeding downlink 1200
baud Data on 144.39 from PCSAT-11 to the APRS internet system. Thank You!
Thus, we need no Email reports from PCSAT-11 in the USA. Thanks.

We do still need active IGates monitoring 145.825 downlink and
injecting those packets. Also, if there is no other APRS activity
within 1000 miles of your station, then we would appreciate any Email
of any 1200 baud packts captured on 145.825 only .

Please NO USER UPLINKS until we finish initial checkout in 2 weeks.

SPECIAL NOTE about 9600 baud: If we get far enough along in testing today,
the next passes after 1800z over the USA we may try to turn on the GPS.
THe test downlink will be on 144.39 at 9600 baud once every 30 seconds.

None of the existing permanent 144.39 igates are set for 9600 baud.
THus we will appreciate anyone that mans their IGates live to switch to
9600 baud if possible on those passes and or, to log any 9600 baud data
and Email it to us.

SUMMARY:
1) Please stay off ALL uplinks.
2) IGate 145.825 1200 baud data to the internet. DISABLE ANY/ALL UPLINKS
3) Email any 145.825 1200 data from remote countries (not USA/Europe)
4) 1800-2400z, capture and email all 9600 baud downlinks (GPS) on 144.39

The GPS data is not standard APRS or NMEA at this point. It is all
numeric data to help us get the GPS initialized. Do not expect to see
any APRS positions.

Thanks

de WB4APR@amsat.org, Bob

PCsat Design   http://www.ew.usna.edu/~bruninga/pcsat.html

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811. [aprssig] Re: Q: Noice on TH-D7 & Laptop or Palm

From: WA8LMF2@aol.com
Date: Sun, 30 Sep 2001 13:56:34 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-39501-2001.09.30-13.21.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/30/01 4:32:24 AM Pacific Daylight Time,
henk.de.groot@hetnet.nl writes:

> I have not read much about it, only complaints on the TH SIG about a deaf
> TH-D7's without people finding out the reason why - let alone how to combat
> it - so I don't expect much. But if you found a solution please step
> forward, I think a lot of people would be interested in it. I don't mind to
> make slight modifications the te Laptop if needed.
>
> If I want to make an opto-coupled galvanic separation, does anyone has a
> diagram of this for a 3 wire RS232 interface? Any other options?
>
> Kind regards,
>
> Henk.

I would almost certainly guess that what is happpening is that the serial
data cable is acting as a ground plane (counterpoise) for the radio's own
whip (the case is certainly too small to do this). In effect the RS-232
cable becomes half of a dipole ant (with the radio in the center) coupling
computer CPU noise into the radio's antenna input. Try a quarter-wave
decoupling stub to create a high-impedence to RF traveling along the
PC-to-radio data cable something like this:

TH-D7 --PC
(Normal RS-232 serial cable)
|
--------------------- (1/4-wave wire parallel to the data cable
with no connection at this end)

Connect the stub wire (any kind of insulated wire) to the TH-D7 at the
ground point of the serial data cable 2.5mm connector. Run it parallel to
the data cable and spaced away from it by a cm or so. Wrap tape around the
two every 15 cm or so to keep the two wire parallel and create an effect like
classic ladder line. Initially, cut the wire slightly too long (a 1/4-wave
at 2M should be about 49cm -- start with perhaps 51cm). Monitor the noise
level on your S-meter and clip off a half-cm at a time until the meter goes
to min.

If you really want to enhance the built-in "rubber-duck" antenna, connect a
second 1/4 wave (19" or 50 cm) wire to the TH-D7 chassis and let it hang in
some other direction away from from the data cable to give the built-in
antenna a true RF ground or counterpoise. This will boost the antenna
performance of just about any VHF hand-held amazingly. For years, I have
walked around with thin 19" (minus the length of the case) wires dangling
from the bottom of my handhelds; it really works.... Note that this will
benefit the UHF band too since the same wire will now be 3/4-wave (and also
resonant). However the improvement on UHF will be far less dramatic since the
case is already almost a full quarter-wave long on UHF and provides a much
better ground plane than on 2M)

Stephen H. Smith wa8lmf @ aol.com
(Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
---

|
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812. [aprssig] Re: Q: Noice on TH-D7 & Laptop or Palm

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 30 Sep 2001 20:08:05 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39503-2001.09.30-13.36.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

Small update on my noice problem.

Van: "Henk de Groot" <henk.de.groot@hetnet.nl>
> I have a technical question where I wonder how others solved it, if any.

etc, read the original...

I just realized I forgot something in my instruction to see the noice-floor.
AIP must be OFF, when ON the sensitivity of the TH-D7 is a lot lower and
than you can't see it. Also it must be in single band operation, Band "A"
switched OFF.

Maybe also the QRG plays a role, we use 144.800 in Europe. We also have 70cm
but there noice is not a problem at all on that QRG. Its also possible it
works on TH-D7E's only...

During the day I expermented a lot with different coils. I now have a 3.3 uH
coil in every wire (GND, RXD, TXD) and this works! I have no idea how the
coil is build up since its from the junk box. That means that the filter I
have now is probably not reproducable. As far as I can remember the coils
were from a black & white television from 1960 or so which I took appart
about 20 years ago. At least there were from a wire-frame. Anyway antique
but for coils that doesn't matter much... At least these ones had a value
printed on it, most coils I have are "anonymous". Some coils work, some work
great but the majority does nothing at all. Having a ferrite ring with a few
windings is the same as a straight wire...

It looks like black magic because there is no obvious clue which coil works.
These 3.3 uH coils worked but coils with more inductivity - which should
give a higher RF surpression - don't work. I'm glad I found a set of three
that worked and had the wanted effect. At least it is a solution with
passive components now. I can't see the difference between connected and not
connected anymore. I still get some noice but aparently that's over the air.
So far so good.

Kind regards,

Henk.

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813. [aprssig] 145.825 busy

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 14:19:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39506-2001.09.30-13.44.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DOnt forget that UO-11 is also on 145.825 and has been for 17 years. Its
1200 baud AFSK ASCII data (not packet) is easily distinguished from the
newbee's on that frequency, Starshine (9600 1 packet per 2 minutes) and
PCsat (1200 and 9600 bd packets occasionally).

It just caught me by surprise... Bob

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814. [aprssig] [amsat-bb] new keps on OIG (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 14:39:52 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39509-2001.09.30-14.04.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are all the NORAD keps:

```
STARSHINE 3
1 26929U 01043A   01273.42133989  .00024889  00000-0  81734-3 0    20
2 26929  67.0555 117.9102 0004960 219.4654 140.5664 15.31517941    35
PICOSAT 9
1 26930U 01043B   01273.50837672 -.00127059  00000-0 -50860-1 0    31
2 26930  67.0156 117.7854 0007267 228.3138 131.7055 14.29181108    51
PCSAT
1 26931U 01043C   01273.57850347 -.00000083  00000-0  00000+0 0    16
2 26931  67.0609 117.6087 0009694 278.1740  81.8319 14.28808894    66
SAPPHIRE
1 26932U 01043D   01273.57861770 -.00000083  00000-0  00000+0 0    19
2 26932  67.0628 117.5267 0118214 259.8296 100.4687 14.26964192    77
ATHENA 1 R/B(OAM)
1 26933U 01043E   01273.60463422 -.00001738  54956-5  00000+0 0    18
2 26933  67.1792 117.4881 0133767 284.6414  75.5706 15.85365252    61
```

de WB4APR, Bob

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815. [aprssig] AHubIN Webpages

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sun, 30 Sep 2001 13:47:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bill Diaz" <billdiaz@megsinet.net>, "Dick Stanich" <dick@kb7zva.com>,
"Mark Foley" <na4v@home.com>, "Roger Billie" <roger.bille@telia.com>,
"Ron Riggs" <ronr5@home.com>
Message-ID: <LYR842-39510-2001.09.30-14.13.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,
I have moved AHubIN's webpages to my QSL.net account. http://www.qsl.net/kb9uqq/ I have decided to do so, instead of running a web server, as it often screws up. The address to connect to AHub, AFilterX, and WinAPRS is still the same. You can use kb9uqq.d2g.com, or ahubin.d2g.com, to connect to to them. While I am still running the web server, all that is available is the javAPRS pages. Please let me know if you have any problems with anything.
73 de kb9uqq
Zachary Grant Michael, KB9UQQ
http://kb9uqq.d2g.com/

816. [aprssig] Why won't my D700 show on FINDU?

From: bob <w2g3zfj@optonline.net>
Date: Sun, 30 Sep 2001 14:56:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39511-2001.09.30-14.16.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi folks

I have an intersting observation that I can't quite explain. I am running UIView with a 24/7 Internet connection. Everything seems to be working fine except that my D700 /m is not being received via my own IGATE and hence appearing on FINDU. For example, I can monitor FINDU and see g3zfj (main wx station) , g3zfj-2 (aprs server), g3zfj-7 (D7G), g3zfj-15 (local digi). But, with my vehicle in the drive and using relay,wide3-3 (same as the D7G) I can see it on the screens (on both APRSdata and UIView), I can see the packet being sent to the internet on the UIView IGATE monitor, BUT, findu won't see it. It occasionally receives packets from another IGATE (when my -8 hits it) but not from my IGATE. FINDU shows all of my other stations info within seconds of them being sent to the feed.

Very strange! Any ideas as to whats up?

TIA

73 de bob
w2/g3zfj

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817. [aprssig] PCsat Telemetry decoding software

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 14:52:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39512-2001.09.30-14.17.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you all for your great TLM files!

I just posted a pre-release version of PCSATLM0.EXE. This is a simple dos
program that can replay a text log file to display the telemetry.

It is a crude system. I dont have any time to explain it or help you with
it, and I dont recommend using it real time, because if you are in
keyboard mode, it IGNORES all logging and displaying!

So I only post it so that you can replay your ASCII log files through it
to see the graphical displays. ALso it is wirtten for the basic TAPR-2
style TNC format, and works OK. But it has NOT been tested with any of
the dozens of other TNC's and I can guarantee you that it will not work
with most text files. But if you edit a file into the tapr-2 typical
format it should work?

Please accept this as a work in progress. Do not bother me with bug
reports. It aint ready. But if you wanna give it a try. here it is:

ftp://tapr.org/aprssig/dosstuff/APRSdos/pcsatlm0.exe

Run it in a DOS window.

In a few weeks after the smoke clears, I will hopefully have a releasable
version.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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818. [aprssig] Re: Q: Noice on TH-D7 & Laptop or Palm

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 30 Sep 2001 21:45:23 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-39516-2001.09.30-15.20.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Stephen,

Van: <WA8LMF2@aol.com>
> data cable is acting as a ground plane (counterpoise) for the radio's own
> whip (the case is certainly too small to do this). In effect the RS-232
> cable becomes half of a dipole ant (with the radio in the center) coupling
> computer CPU noise into the radio's antenna input. Try a quarter-wave

I agree with this analisis. I didn't know how to put it but I your
description is excellent.

> decoupling stub to create a high-impedence to RF traveling along the
> PC-to-radio data cable something like this:
>
> TH-D7 --PC
> (Normal RS-232 serial cable)
> |
>   --------------------- (1/4-wave wire parallel to the data
cable
> with no connection at this end)

I thought about that, but will this actually work? It will shortcut voltage differences at 144.800 MHz between the RS232 wires, but in this case the same disturbance is on all the wires (common mode). Even a hard shortcut between all the wires will not work. Also the difference between the RF frequency and the data frequency is high enough to shortcut with a simple capacitor. I tried that and that does't work.

If I understood the first part of your response correctly the RF noice voltage difference must be between the antenna pin and the RS232 line. So the stub should be between the antenna's center-pin and the RS232 cable. That would for sure kill the noice but that would kill reception too... I have to say I did not actually tried this, but when understood the first part of your response correctly this must be the case. But I'm not an RF expert so correct me it I made a mistake in my reasoning.

I did some experiments, but the noice is already visible when only 1 of the 3 interface wires is connected, which confirms your analysis. So its not a noice on the lines itself. Aparently one signal goes through the wire and the other goes through the air and enters at the antenna. You can't shortcut that.

What I did now is "break" the ground wire for RF eliminating one of the 2 entry points:

```
\|/
 |
TH-D7 -------------UUU-------------------------------------------------PC
                   ^
                   |
              Coil in every wire
```

A 3.3 uH coil from the junk-box seems to be the most effective somehow. When I use a higher inductance the effect is much less to neglegible. I guess this is because of the used core in those coils which is not effective for 144.800 MHz. So instead of shortcutting the signal (but shortcut to what..) I now have a very high impedance for RF. I still wonder how others solved it, if any.

> If you really want to enhance the built-in "rubber-duck" antenna, connect
a
> second 1/4 wave (19" or 50 cm) wire to the TH-D7 chassis and let it hang
in
> some other direction away from from the data cable to give the built-in

Yes, I tried that before. I was disapointed by the effect though, I expected more. The TH-D7 is pritty sensitive by itself though (although I heard the oldest versions were indeed deaf..).

Thanks for your contribution. Kind regards,

Henk.

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819. [aprssig] Re: Oops! Typo in TLE

From: "Henk de Groot" <henk.de.groot@hetnet.nl>
Date: Sun, 30 Sep 2001 20:50:27 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Alex" <kr1st@amsat.org>
Message-ID: <LYR842-39517-2001.09.30-15.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Van: "Gerry Creager N5JXS" <gerry@cs.tamu.edu>
> Corrected TLE for PCSat:
>
> PCSat
> 1 00000U   01273.15972000 .00000000 00000-0 00000-0 0   1
> 2 00000 67.0000 118.0000 0007200 243.0000 123.0000 14.28957165   18

I want to add the PCSat the the default DIGI_NED sattelite tracking
function. Does anybody know the catalog number, AMSAT designator and if
there is an abbriviation for the "mode" of operation. With that I can
complete the information in DIGI_NED's digi_ned.sat file.

Kind regards,

Henk.

P.S. Alex, any idea which satellite I could drop best to make space? I now
have:
AO10, UO11, UO14, AO16, WO18, L019, FO20, UO22,
KO23, KO25, IO26, AO27, FO29, UO36, GO32, TO31,
SO33, RS12, RS15, OO38, AO40, SO41, SO42, ISS_
For people who did not know: With digi_ned you can track also none-APRS
satellies, the satellites above are currently in the default configuration
but can be customized by the operator. To view which satellites are served
by your local DIGI_NED digi send the query "?sats" to the digipeater.

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820. [aprssig] Re: [amsat-bb] 9600 baud

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 16:20:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39519-2001.09.30-15.45.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> SPECIAL NOTE about 9600 baud: If we get far enough along in testing today,
> the next passes after 2000z over the USA we may try to turn on the GPS.
> THe test downlink will be on 144.39 at 9600 baud once every 30 seconds.

Note that not only do we need 9600 baud listeners on 144.39 in the USA for
our GPS engineering data on the next passes but STARSHINE needs 9600 baud
listeners on 145.825. We only have one packet so far. THeir orbit is
completely different, but within say 45 minnutes of PCsat, so you can do
both.

> SUMMARY:
> 1) Please stay off ALL uplinks.
> 2) IGate 145.825 1200 baud data to the internet. DISABLE ANY/ALL UPLINKS
> 3) Email any 145.825 1200 data from remote countries (not USA/Europe)
> 4) 1800-2400z, capture and email all 9600 baud downlinks (GPS) on 144.39
> 5) Also when PCsat not in view, get 9600 TLM from Starshine on 145.825

Bob

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821. [aprssig] Re: [amsat-bb] 9600 baud

From: Bill Diaz <billdiaz@megsinet.net>
Date: Sun, 30 Sep 2001 15:36:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39522-2001.09.30-16.02.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IGATE, SATGATE FYI:

Starshine 3 uses the orginating call sign STRSHN

Bill KC9XG

On Sunday, September 30, 2001 3:20 PM, Bob Bruninga [SMTP:bruninga@usna.edu] wrote:

SNIP
> Note that not only do we need 9600 baud listeners on 144.39 in the USA for
> our GPS engineering data on the next passes but STARSHINE needs 9600 baud
> listeners on 145.825. We only have one packet so far. THeir orbit is
> completely different, but within say 45 minnutes of PCsat, so you can do
> both.

> > SUMMARY:
> > 1) Please stay off ALL uplinks.
> > 2) IGate 145.825 1200 baud data to the internet. DISABLE ANY/ALL UPLINKS
> > 3) Email any 145.825 1200 data from remote countries (not USA/Europe)
> > 4) 1800-2400z, capture and email all 9600 baud downlinks (GPS) on 144.39
> > 5) Also when PCsat not in view, get 9600 TLM from Starshine on 145.825

> Bob

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822. [aprssig] Flag History files (wierd)

From: John <kb2scs@optonline.net>
Date: Sun, 30 Sep 2001 17:12:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39533-2001.09.30-16.38.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All
         I have noticed something weird with my saved APRS History
files of the Flag run.

First some background. The system I used to log and save the Flag
position reports is as follows.
Radio DR-135
Laptop running APRSdos.
No connection to the Internet.
The Flag position reports that were saved in my history files were
all heard via RF.
Yes some of the positions were heard via Igates. Others were
heard via pure RF. I do not know which packets are which.

Now for the weird part.
In the file tk282241.hst (the first file saved) I have the following
packets in this order.
FLAG   @290227z3943.25N/07539.79Wv016/000/D-700
FLAG   @290231z3943.26N/07539.79Wv016/000/D-700
FLAG   @290231z3943.26N/07539.79Wv016/000/D-700
FLAG   @290233z3943.25N/07539.79Wv016/000/D-700

FLAG   @290241z3943.25N/07539.78Wv016/000/D-700

FLAG   @290235z3943.25N/07539.79Wv000/000/D-700
FLAG   @290240z3943.25N/07539.79Wv016/000/D-700

Note I have truncated the above packets to make them easier to
read via email.
Note the Time of each packet. Some how I received 290241
before 290235.
I always thought that APRS was fantastic but I did not know that it
could do time travel.
Some of my other history files also show this time travel capability.
I assume that it has something to do with Packets received via pure
RF and those forward on RF via Igates.

If this interests anyone I would be interested in a explanation.

Thank You for your time in reading this.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@optonline.net

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823. [aprssig] Re: Flag History files (wierd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 17:32:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39535-2001.09.30-16.57.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 30 Sep 2001, John wrote:

> Hi All
>   I have noticed something weird with my saved APRS History
> files of the Flag run.
> Laptop running APRSdos.... No connection to the Internet.
>SNIP>
> Note the Time of each packet. Some how I received 290241
> before 290235.

APRS time stamps Mic-E packets on receipt with your PC's time. The IGates
may have stamped them differently...

bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

824. [aprssig] Re: PCSAT - some telemetry data for you ...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 17:41:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, <amsat-bb@amsat.org>
Message-ID: <LYR842-39538-2001.09.30-17.26.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 30 Sep 2001, Maiko Langelaar wrote from Winnipeg:

> R0:19 04:08 W3ADO-1/SGATE>APRS>UI,R,F0:
> $GPGGA,210745.80,3858.9514,N,07629.3200,W,0,00,0.0,-40.7,M,0.0,M,,*58

> the above when Winnipeg was technically on the fringe of the PCSAT
> ring of vision. At the time, it looked like PCSAT was already
> in the Atlantic just north east of Bermuda.

GPS is ON for one orbit, but we dont think we got a good TLE upload, so
GPS is searching the sky (at 17,500 MPH too). So that posit was the
position of our parking lot the last time the GPS was on over 2 months
ago. Notice the field after the "W" shows no satelites. "0".

But we did get data confirming that it remembers the approximate time.
Fingers crossed. We will try once again on next pass to upload TLE's
then shut it down on the next, our last, orbit of the day.

Thanks for the data!

de WB4APR, Bob

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825. [aprssig] Re: Flag History files (wierd)

From: John <kb2scs@optonline.net>
Date: Sun, 30 Sep 2001 18:06:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39539-2001.09.30-17.32.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob
            First off thanks for the reply.
Second Congrats on PCSAT. I watched the launch on NASA TV
via the Internet.

Third the different time stamping might be true. But what I also did
not mention in my first Email is that when the History file is
replayed the Flag Icon Jumps a head then back along its route.
So what I have here is position reports that have been received out
of sequence. As I said it is like APRS can do time travel.

On 30 Sep 2001, at 17:32, Bob Bruninga wrote:

> On Sun, 30 Sep 2001, John wrote:
>
> > Hi All
> >   I have noticed something weird with my saved APRS History
> > files of the Flag run.
> > Laptop running APRSdos.... No connection to the Internet.
> >SNIP>
> > Note the Time of each packet. Some how I received 290241
> > before 290235.
>
> APRS time stamps Mic-E packets on receipt with your PC's time. The IGates
> may have stamped them differently...
>
> bob
>
>

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@optonline.net

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826. [aprssig] Re: Q: Noice on TH-D7 & Laptop or Palm

From: WA8LMF2@aol.com
Date: Sun, 30 Sep 2001 18:47:16 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-39547-2001.09.30-18.12.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/30/01 11:13:47 AM Pacific Daylight Time,
henk.de.groot@hetnet.nl writes:

> These 3.3 uH coils worked but coils with more inductivity - which should
> give a higher RF surpression -

This is quite normal. High value coils with lots of turns also have lots of
distributed capacitance between turns. If the coil geometry is optimized for
HF or low VHF, the distributed capacitance will essentially bypass the turns
at hi VHF or UHF. Truly broadband chokes have to have several coils of
varying size and geometry in them -- ever see the plate choke on an old
tube-type HF final amplifier ??

Stephen H. Smith   wa8lmf @ aol.com
     (Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
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827. [aprssig] Re: Q: Noice on TH-D7 & Laptop or Palm

From: WA8LMF2@aol.com
Date: Sun, 30 Sep 2001 19:15:44 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-39549-2001.09.30-18.43.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 9/30/01 12:55:33 PM Pacific Daylight Time,
henk.de.groot@hetnet.nl writes:

> I thought about that, but will this actually work? It will shortcut voltage
> differences at 144.800 MHz between the RS232 wires, but in this case the
> same disturbance is on all the wires (common mode).

At VHF the capacitive coupling between the three wires in the RS-232 cable is
going to be almost total. For purposes of RF isolation, you can treat them
as one conductor.

All three conductors together are acting as the other half of a dipole that
begins with the radio's 1/4-wave rubber duck ant and ends with the combined
length of the radio's metal chassis and the RS-232 cable plugged into it.

It then doesn't matter which conductor you connect the stub to. It will stop
the common-mode conduction of energy at VHF along all three wires which is
what you want.

> What I did now is "break" the ground wire for RF eliminating one of the 2
> entry points:
>
> \|/
> |
> TH-D7 -------------UUU---PC
>   ^
> |
>   Coil in every wire
>

You are doing essentially the same thing here -- breaking the COMMON MODE
path and preventing the data cable from becoming part of the antenna system.
You could probably tune this by moving the chokes to a point on the wire that
would be 1/4-wave away from the antenna feed point (combined length of radio
chassis down to the point where the jack is, plus a part of the wire). This
should both stop the noise conduction AND give the radio antenna a nice
quarter-wave counterpoise.

> Yes, I tried that before. I was disapointed by the effect though, I expected
> more. The TH-D7 is pritty sensitive by itself though (although I heard the
> oldest versions were indeed deaf..).
>

One tends to assume that TX and RX behaviour in RF systems is reciprocal.
That is adding 3db gain in an antennna, for example, will benefit the
receiver and transmitter equally. This is not always true.
    In this case, the effect on the receiver is not very pronounced because
the receiver front end is not precisely impedance matched to the antenna in
fthe first place; therefore the loss because the antenna is not properly
resonant is minimal. Going out of your way to make the antenna "perfect" has
very little benefit.
    However, it WILL have a dramatic effect on the TRANSMITTED effective
radiated power because the TX final amp (where you are trying to mazimize
POWER transfer - not just sample the VOLTAGE present as many RX front ends
do) WILL be affected favorably by having a complete resonant antennna system.

Stephen H. Smith wa8lmf @ aol.com
(Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
---

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```

828. [aprssig] First PCsat packets on Cybiko/PIC TNC/DJ-190

From: Alex <kr1st@amsat.org>
Date: Sun, 30 Sep 2001 19:12:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39551-2001.09.30-18.50.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi there,

Just received the first 24 packets from PCsat on 145.825 (09/30 1955
EST) with a Cybiko/W2FS PIC TNC/DJ-190 combo with a twinlead J-pole
antenna. Below are transcripts (for some reason I failed to turn on
logging) of each kind of packet received from PCsat as they appear on
the Cybiko screen.

Excellent job, Bob et al! Congratulations!

73,
--Alex

From: W3ADO-1 To: APRS4
Via:  SGATE
Data: Default LT4

From: W3ADO-1 To: APRS3
Via:  SGATE
Data: Default LT3

From: W3ADO-1 To: APRS
Via:  SGATE
Data:
$GPGGA,225647.88,3858.9514,N,07629.3200,W,0,00,0.0,-40.7,M,0,0,M,,*55

From: W3ADO-1 To: BEACON
Via:  SGATE
Data: >302106z Sysop test no userss please during on-orbit tests

From: W3ADO-1 To: BEACON
Via:  SGATE
Data: T#363,122,128,071,162,213,11011111,0010,1

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```

829. [aprssig] Re: Oops! Typo in TLE

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 1 Oct 2001 10:27:49 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39558-2001.09.30-19.52.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Sep 30, 2001 at 11:51:55AM -0500, Gerry Creager N5JXS wrote:
> Please accept apologies from me, and thanks to W3SMK for a good catch.
>
> Corrected TLE for PCSat:
>
> PCSat
> 1 00000U          01273.15972000  .00000000  00000-0  00000-0 0     1
> 2 00000  67.0000 118.0000 0007200 243.0000 123.0000 14.28957165    18

Oops, SatTrack says there is a checksum error on line 1 :-)
```

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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830. [aprssig] PCSAT

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Sep 2001 18:37:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39560-2001.09.30-20.03.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, you might not believe this, but --

        My HamHud, still in my car, received the PCSAT when my home did NOT! <G>

        7 3
        Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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831. [aprssig] Re: [HamHUD] PCSAT

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Sep 2001 18:42:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39561-2001.09.30-20.08.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:37 PM 9/30/2001 -0600, I wrote:

>   Well, you might not believe this, but --
>
>   My HamHud, still in my car, received the PCSAT when my home did
> NOT! <G>

         Oops, received at 1838 MOUNTAIN time:

PCSAT-11>BEACON,SGATE:T#675,120,118,077,056,213,11111111,1110,1

         YAAAYYY!!!!!!
         Earl

****
Earl Needham, KD5XB mailto:needhame@yyucca.net
Clovis, New Mexico DM84jk N34d 25.446m W103d 12.700m (or so)
NEW Pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list.
KD5XB-2>APW251,WA5IHL-11*,TRACE4-3:=3425.85N/10313.56W-PHG7150/needhame@yucc
a.net -EARL_CLOVIS -251-<530>

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832. [aprssig] PCSAT

From: James Smith <k9apr@tawg.org>
Date: Sun, 30 Sep 2001 19:55:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-39565-2001.09.30-20.23.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's what I received at home.

PCSAT-11*>APRS3 <UI>:Default LT3

Looks like someone was trying to program the LT string.

--
73, James, K9APR
Chairman \ Coordinator
Tri-State APRS Working Group
http://www.tawg.org
Run a APRS Website? Why not join the APRS Webring.
http://www.tawg.org/join.htm

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833. [aprssig] Re: PCSAT

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 21:11:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39566-2001.09.30-20.36.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 30 Sep 2001, Earl Needham wrote:

> Well, you might not believe this, but --
>
> My HamHud, still in my car, received the PCSAT when my home did NOT! <G>

Thanks for making that point. THat is the beauty of satellites, a mobile
will always hear better than a home station for the same anttenna gain,
because the mobile has less loss in the short coax. That is why we are so
happy with PCsat as a new direction for AMSAT, to take advantage of the
better performance from mobiles with Whip antennas.

Glad you got it!
bob

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834. [aprssig] PCsat's first day. Success!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 30 Sep 2001 21:50:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39568-2001.09.30-21.15.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AMSAT Friends throughout the world!

As the last pass over Annapolis ends, we are humbled at all the great
effort all around the world that all of you made to feed us live data as
PCsat took to the skies. We are sorry that we might not get to
acknowledge everyone who contributed, but we saved EVERYthing and will
take days to sort it all out. But as long as the batteries are up, we
are happy!

PCsat consists of two duplicate KPC-9612 TNC's transmitters and receivers
(and no other CPU). It was launched in SAFE mode with both TNC's
crossconnected to both transmitters for redundancy. On the first pass
over our Maryland USA ground station, we got side B set to normal mode,
all timers reset, and a status loaded. Ground TNC problems plagued us for
the next two passes.

After two passes out of range north of us, we saw good battery charge from
all of your reports around the world, so we began the last pass period (3

passes) by turning on the GPS. But we did not get TLE's loaded in time, so that orbit was lost because the GPS had no clue where it was. On the next pass, we got the TLE's loaded, but post-pass analysis revealed that voltage was droping to the point of GPS reset and so, the GPS was on/off cycling while in eclipse, never being on for more than 20 seconds. Not enough time for a fix. (Our eclipse's are now 15 minutes long).

The GPS is a negative power budget item which we can only balance when we are in full sun, and that will not occur for several weeks, but we did want to try an on-orbit check out of the GPS commanding. As PCsat approached on the last pass of today, we shut it down, and left PCsat in "normal" telemetry beacon mode.

Please watch it, but please keep off the uplinks until we get it all loaded... Thanks. And also thank you all again for your data and your patience!

As we go get some much needed sleep, there are some things you can look for by eye:

1) If the STATUS packet ever loses the ">DDHHMMz..." time stamp then it has experienced a reset and is back in safe mode. The date-time stamp above was the last time we reset the 72 hour fail safe timer.

2) If the battery ever drops below 14.4 volts. You can see that by eye in one-out-of-every 4 telemetry packets. The packets end in "...,xyNN,1" where the NN is the "frame counter". The voltages are always the first two analog values (of 5) in the frames ending in "...,xy11,1" and they are pretty close to being in 10ths of a volt. Thus the frame below shows A and B battery voltages of about 16.1 and 15.8 respectively...

    T#456,161,158,ccc,ddd,eee,abcdefgh,xyNN,z

4) The "eee" value is always 213 if the bus voltage remains at 5 volts

5) The other 4 values, aaa,bbb,ccc,ddd cycle through a total of 16 parameters which you need the telemetry equations to figure out.

6) The 8 command switches abcdefgh all show "1"s meaning they are all off.

7) The two control switches labeled "xy" are opposite and show 1's when activated. THey are 00 in safe mode and represent the default of both batteries being cross connected and both transmitters being crossconnected. In normal mode, we command them to isolated, or "11".

8) Lastly all the command switches of both the A side (W3ADO) and the B side (PCSAT) are paralleled. If one is set to 0, the other system should also show it. The two CTRL switches are similarly paralleled in "function", but only the side that was acutally commanded will show it in the telemetry.

The detils of the telemetry equations are all posted on the PCsat web page below.

Thanks again to EVERYONE for such a long and memorable day!

WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
PCsat Design http://www.ew.usna.edu/~bruninga/pcsat.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

835. [aprssig] Re: Oops! Typo in TLE

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 30 Sep 2001 21:28:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-39572-2001.09.30-21.54.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is, of course, what I get for trying to go too fast and not
rechecking things.

Sorry.

Bob has since posted better Keps.

gerry
--
Hamish Moffatt wrote:
>
> On Sun, Sep 30, 2001 at 11:51:55AM -0500, Gerry Creager N5JXS wrote:
> > Please accept apologies from me, and thanks to W3SMK for a good catch.
> >
> > Corrected TLE for PCSat:
> >
> > PCSat
> > 1 00000U   01273.15972000 .00000000 00000-0 00000-0 0   1
> > 2 00000 67.0000 118.0000 0007200 243.0000 123.0000 14.28957165   18
>
> Oops, SatTrack says there is a checksum error on line 1 :-)
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

836. [aprssig] Bob- You did it!

From: rwf <rwf@bsrg.org>
Date: Sun, 30 Sep 2001 23:21:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39590-2001.09.30-22.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob-
The first time I visited your lab in Annapolis 7 or 8 years ago, you showed
me your mockup of a future satellite.
Now you guys have done it!
I congratulate you and all the cadets heartily for a job well done on PCSAT.
Take a well deserved break and let your (and PCSATs)batteries charge up and
we'll talk to you later.
Your dedication to APRS is amazing.

Ralph Fowler
N4NEQ Atlanta

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

837. [aprssig] Re: PCSAT

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 30 Sep 2001 22:13:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-39591-2001.09.30-22.38.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Between 19:42:54 and 21:25:05 CDT I saw beacons T#688, 692, 973, 989, and
990. Also saw a text message about"...trying to get things loaded. Too
much QRM"

Roy W Bost

N5TAM
rbost@itexas.net
Granbury, Tx.

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